Gary M Mawe

List of Publications by Year in Descending Order

126 papers	6,819 citations	45 h-index	79 g-index
131 ext. papers	7,524 ext. citations	5.8 avg, IF	5.92 L-index

#	Paper	IF	Citations
126	Direct and indirect mechanisms by which the gut microbiota influence host serotonin systems.. *Neurogastroenterology and Motility*, **2022**, e14346	4	3
125	Daily, oral FMT for long-term maintenance therapy in ulcerative colitis: results of a single-center, prospective, randomized pilot study. *BMC Gastroenterology*, **2021**, 21, 281	3	14
124	Prokinetic actions of luminally acting 5-HT receptor agonists. *Neurogastroenterology and Motility*, **2021**, 33, e14026	4	3
123	No Gastrointestinal Dysmotility in Transgenic Mouse Models of Migraine. *Headache*, **2020**, 60, 396-404	4.2	1
122	Identification of novel loci controlling inflammatory bowel disease susceptibility utilizing the genetic diversity of wild-derived mice. *Genes and Immunity*, **2020**, 21, 311-325	4.4	3
121	Gut-derived serotonin contributes to bone deficits in colitis. *Pharmacological Research*, **2019**, 140, 75-84	10.2	8
120	Enteric neuroplasticity and dysmotility in inflammatory disease: key players and possible therapeutic targets. *American Journal of Physiology - Renal Physiology*, **2019**, 317, G853-G861	5.1	13
119	Altered gastrointestinal motility involving autoantibodies in the experimental autoimmune encephalomyelitis model of multiple sclerosis. *Neurogastroenterology and Motility*, **2018**, 30, e13349	4	25
118	Neuromuscular Function in the Biliary Tract **2018**, 453-468		
117	Non-conventional features of peripheral serotonin signalling - the gut and beyond. *Nature Reviews Gastroenterology and Hepatology*, **2017**, 14, 412-420	24.2	124
116	Glucagon-like peptide-2 promotes gallbladder refilling via a TGR5-independent, GLP-2R-dependent pathway. *Molecular Metabolism*, **2017**, 6, 503-511	8.8	24
115	Anti-inflammatory roles of p38MAPK in macrophages are context dependent and require IL-10. *Journal of Leukocyte Biology*, **2017**, 102, 1219-1227	6.5	20
114	Review article: the many potential roles of intestinal serotonin (5-hydroxytryptamine, 5-HT) signalling in inflammatory bowel disease. *Alimentary Pharmacology and Therapeutics*, **2017**, 46, 569-580	6.1	45
113	Chronic constipation. *Nature Reviews Disease Primers*, **2017**, 3, 17095	51.1	106
112	Regulation of Bone Metabolism by Serotonin. *Advances in Experimental Medicine and Biology*, **2017**, 1033, 35-46	3.6	35
111	The Intrinsic Reflex Circuitry of the Inflamed Colon. *Advances in Experimental Medicine and Biology*, **2016**, 891, 153-7	3.6	4
110	Fundamentals of Neurogastroenterology: Basic Science. *Gastroenterology*, **2016**,	13.3	72

109	Protective Actions of Epithelial 5-Hydroxytryptamine 4 Receptors in Normal and Inflamed Colon. *Gastroenterology*, **2016**, 151, 933-944.e3	13.3	59
108	Colitis-induced neuroplasticity disrupts motility in the inflamed and post-inflamed colon. *Journal of Clinical Investigation*, **2015**, 125, 949-55	15.9	58
107	(2R,3S,2RR,3RR)-manniflavanone, a new gastrointestinal smooth muscle L-type calcium channel inhibitor, which underlies the spasmolytic properties of Garcinia buchananii stem bark extract. *Journal of Smooth Muscle Research*, **2014**, 50, 48-65	0.4	8
106	Emerging treatments in neurogastroenterology: a multidisciplinary working group consensus statement on opioid-induced constipation. *Neurogastroenterology and Motility*, **2014**, 26, 1386-95	4	139
105	Roles of cholesterol and bile salts in the pathogenesis of gallbladder hypomotility and inflammation: cholecystitis is not caused by cystic duct obstruction. *Neurogastroenterology and Motility*, **2013**, 25, 283-90	4	13
104	Serotonin signalling in the gut--functions, dysfunctions and therapeutic targets. *Nature Reviews Gastroenterology and Hepatology*, **2013**, 10, 473-86	24.2	537
103	Oxidative stress disrupts purinergic neuromuscular transmission in the inflamed colon. *Journal of Physiology*, **2013**, 591, 3725-37	3.9	36
102	Histamine H(3) receptor integrates peripheral inflammatory signals in the neurogenic control of immune responses and autoimmune disease susceptibility. *PLoS ONE*, **2013**, 8, e62743	3.7	13
101	Plasticity of mouse enteric synapses mediated through endocannabinoid and purinergic signaling. *Neurogastroenterology and Motility*, **2012**, 24, e113-24	4	19
100	Disruption of gallbladder smooth muscle function is an early feature in the development of cholesterol gallstone disease. *Neurogastroenterology and Motility*, **2012**, 24, e313-24	4	35
99	The roles of purinergic signaling during gastrointestinal inflammation. *Current Opinion in Pharmacology*, **2012**, 12, 659-66	5.1	25
98	Activation of colonic mucosal 5-HT(4) receptors accelerates propulsive motility and inhibits visceral hypersensitivity. *Gastroenterology*, **2012**, 142, 844-854.e4	13.3	189
97	Activation of neuronal P2X7 receptor-pannexin-1 mediates death of enteric neurons during colitis. *Nature Medicine*, **2012**, 18, 600-4	50.5	297
96	Neuromuscular Function in the Biliary Tract **2012**, 847-859		1
95	The relationship between inflammation-induced neuronal excitability and disrupted motor activity in the guinea pig distal colon. *Neurogastroenterology and Motility*, **2011**, 23, 673-e279	4	33
94	The traditional antidiarrheal remedy, Garcinia buchananii stem bark extract, inhibits propulsive motility and fast synaptic potentials in the guinea pig distal colon. *Neurogastroenterology and Motility*, **2010**, 22, 1332-9	4	23
93	Purinergic neuromuscular transmission is selectively attenuated in ulcerated regions of inflamed guinea pig distal colon. *Journal of Physiology*, **2010**, 588, 847-59	3.9	55
92	Hydrophobic bile salts inhibit gallbladder smooth muscle function via stimulation of GPBAR1 receptors and activation of KATP channels. *Journal of Physiology*, **2010**, 588, 3295-305	3.9	90

91	Gastrointestinal Motility Monitor (GIMM). *Journal of Visualized Experiments*, **2010**,	1.6	25
90	Mucosal serotonin signaling is altered in chronic constipation but not in opiate-induced constipation. *American Journal of Gastroenterology*, **2010**, 105, 1173-80	0.7	35
89	Serotonin signaling is altered in irritable bowel syndrome with diarrhea but not in functional dyspepsia in pediatric age patients. *Gastroenterology*, **2010**, 139, 249-58	13.3	122
88	The effects of daikenchuto (DKT) on propulsive motility in the colon. *Journal of Surgical Research*, **2010**, 164, 84-90	2.5	12
87	Novel promoter and alternate transcription start site of the human serotonin reuptake transporter in intestinal mucosa. *Neurogastroenterology and Motility*, **2009**, 21, 534-41, e10-1	4	13
86	Plasticity of enteric nerve functions in the inflamed and postinflamed gut. *Neurogastroenterology and Motility*, **2009**, 21, 481-91	4	73
85	Interstitial cells of Cajal in the gut: what makes them tick?. *Journal of Physiology*, **2009**, 587, 4765	3.9	2
84	Serotonin signaling in diverticular disease. *Journal of Gastrointestinal Surgery*, **2008**, 12, 1439-45	3.3	79
83	IFN-gamma and TNF-alpha decrease serotonin transporter function and expression in Caco2 cells. *American Journal of Physiology - Renal Physiology*, **2007**, 292, G779-84	5.1	70
82	Morphological and physiological evidence for interstitial cell of Cajal-like cells in the guinea pig gallbladder. *Journal of Physiology*, **2007**, 579, 487-501	3.9	53
81	Synaptic plasticity in myenteric neurons of the guinea-pig distal colon: presynaptic mechanisms of inflammation-induced synaptic facilitation. *Journal of Physiology*, **2007**, 581, 787-800	3.9	39
80	From molecules to motion: altering neuronal ion channel function can lead to changes in intestinal motility. *Neurogastroenterology and Motility*, **2007**, 19, 329-32	4	1
79	Changes in colonic motility and the electrophysiological properties of myenteric neurons persist following recovery from trinitrobenzene sulfonic acid colitis in the guinea pig. *Neurogastroenterology and Motility*, **2007**, 19, 990-1000	4	54
78	Serotonin and its role in colonic function and in gastrointestinal disorders. *Diseases of the Colon and Rectum*, **2007**, 50, 376-88	3.1	122
77	Ileitis alters neuronal and enteroendocrine signalling in guinea pig distal colon. *Gut*, **2007**, 56, 186-94	19.2	45
76	Persistent alterations to enteric neural signaling in the guinea pig colon following the resolution of colitis. *American Journal of Physiology - Renal Physiology*, **2007**, 292, G482-91	5.1	62
75	Electrical properties of neurons in the intact rat major pelvic ganglion. *Autonomic Neuroscience: Basic and Clinical*, **2007**, 134, 26-37	2.4	9
74	The enteric nervous system: Inflammation-induced changes in neuronal function and related changes in motility. *Nihon Heikatsukingakkaizassi*, **2007**, 11, J1-J51		

73	Spontaneous electrical rhythmicity and the role of the sarcoplasmic reticulum in the excitability of guinea pig gallbladder smooth muscle cells. *American Journal of Physiology - Renal Physiology*, **2006**, 290, G655-64	5.1	26
72	Effects of gastrointestinal inflammation on enteroendocrine cells and enteric neural reflex circuits. *Autonomic Neuroscience: Basic and Clinical*, **2006**, 126-127, 250-7	2.4	84
71	Review article: intestinal serotonin signalling in irritable bowel syndrome. *Alimentary Pharmacology and Therapeutics*, **2006**, 23, 1067-76	6.1	159
70	Effects of serotonin transporter inhibition on gastrointestinal motility and colonic sensitivity in the mouse. *Neurogastroenterology and Motility*, **2006**, 18, 464-71	4	73
69	Neural Control of the Gallbladder and Sphincter of Oddi **2006**, 841-849		2
68	Serotonin transporter function and expression are reduced in mice with TNBS-induced colitis. *Neurogastroenterology and Motility*, **2005**, 17, 565-74	4	116
67	Indiscriminate loss of myenteric neurones in the TNBS-inflamed guinea-pig distal colon. *Neurogastroenterology and Motility*, **2005**, 17, 751-60	4	132
66	mu-Opiate receptor agonist loperamide blocks bethanechol-induced gallbladder contraction, despite higher cholecystokinin plasma levels in man. *Neurogastroenterology and Motility*, **2005**, 17, 761-6	4	3
65	Synaptic facilitation and enhanced neuronal excitability in the submucosal plexus during experimental colitis in guinea-pig. *Journal of Physiology*, **2005**, 564, 863-75	3.9	76
64	Disruption of the filamentous actin cytoskeleton is necessary for the activation of capacitative calcium entry in naive smooth muscle cells. *Cellular Signalling*, **2005**, 17, 635-45	4.9	18
63	Enteroendocrine cells and 5-HT availability are altered in mucosa of guinea pigs with TNBS ileitis. *American Journal of Physiology - Renal Physiology*, **2004**, 287, G998-1007	5.1	92
62	Changes in enteric neural circuitry and smooth muscle in the inflamed and infected gut. *Neurogastroenterology and Motility*, **2004**, 16 Suppl 1, 133-6	4	43
61	Cyclic AMP-mediated inhibition of gallbladder contractility: role of K+ channel activation and Ca2+ signaling. *British Journal of Pharmacology*, **2004**, 143, 994-1005	8.6	17
60	Cyclooxygenase-2 contributes to dysmotility and enhanced excitability of myenteric AH neurones in the inflamed guinea pig distal colon. *Journal of Physiology*, **2004**, 557, 191-205	3.9	72
59	Innervation of the extrahepatic biliary tract. *The Anatomical Record*, **2004**, 280, 836-47		28
58	Molecular defects in mucosal serotonin content and decreased serotonin reuptake transporter in ulcerative colitis and irritable bowel syndrome. *Gastroenterology*, **2004**, 126, 1657-64	13.3	594
57	Chemical mediators of gallbladder dysmotility. *Current Medicinal Chemistry*, **2004**, 11, 1801-12	4.3	34
56	Enterochromaffin cells and 5-HT signaling in the pathophysiology of disorders of gastrointestinal function. *Current Opinion in Investigational Drugs*, **2004**, 5, 55-60		38

55	Serotonin availability is increased in mucosa of guinea pigs with TNBS-induced colitis. *American Journal of Physiology - Renal Physiology*, **2003**, 285, G207-16	5.1	204
54	Effects of bioactive agents on biliary motor function. *Current Gastroenterology Reports*, **2003**, 5, 154-9	5	11
53	Distribution and chemical coding of cocaine- and amphetamine-regulated transcript peptide (CART)-immunoreactive neurons in the guinea pig bowel. *Cell and Tissue Research*, **2003**, 312, 265-74	4.2	38
52	Enhanced excitability of myenteric AH neurones in the inflamed guinea-pig distal colon. *Journal of Physiology*, **2003**, 547, 589-601	3.9	160
51	Antineuronal antibodies in idiopathic achalasia and gastro-oesophageal reflux disease. *Gut*, **2003**, 52, 629-36	19.2	93
50	Effects of PGE2 in guinea pig colonic myenteric ganglia. *American Journal of Physiology - Renal Physiology*, **2002**, 283, G1388-97	5.1	32
49	Neuroimmune and epithelial interactions in intestinal inflammation. *Current Opinion in Pharmacology*, **2002**, 2, 669-77	5.1	65
48	Chemical coding of intrinsic and extrinsic nerves in the guinea pig gallbladder: distributions of PACAP and orphanin FQ. *The Anatomical Record*, **2001**, 262, 101-9		18
47	Distribution and chemical coding of orphanin FQ/nociceptin-immunoreactive neurons in the myenteric plexus of guinea pig intestines and sphincter of Oddi. *Journal of Comparative Neurology*, **2001**, 430, 1-11	3.4	15
46	A redox-based mechanism for the contractile and relaxing effects of NO in the guinea-pig gall bladder. *Journal of Physiology*, **2001**, 532, 793-810	3.9	21
45	Agonists of proteinase-activated receptor 2 excite guinea pig ileal myenteric neurons. *European Journal of Pharmacology*, **2001**, 431, 311-4	5.3	33
44	Tachykinins mediate slow excitatory postsynaptic transmission in guinea pig sphincter of Oddi ganglia. *American Journal of Physiology - Renal Physiology*, **2001**, 281, G357-64	5.1	10
43	Direct neuronal interactions between the duodenum and the sphincter of Oddi. *Current Gastroenterology Reports*, **2000**, 2, 104-11	5	15
42	Actions of histamine on muscle and ganglia of the guinea pig gallbladder. *American Journal of Physiology - Renal Physiology*, **2000**, 279, G622-30	5.1	22
41	Duodenal neurons provide nicotinic fast synaptic input to sphincter of Oddi neurons in guinea pig. *American Journal of Physiology - Renal Physiology*, **1999**, 277, G226-34	5.1	9
40	Neurochemical coding of myenteric neurons in the guinea-pig antrum. *Cell and Tissue Research*, **1999**, 297, 81-90	4.2	35
39	Neuropeptide Y (NPY) expression is increased in explanted guinea pig parasympathetic cardiac ganglia neurons. *Brain Research*, **1999**, 827, 70-8	3.7	19
38	Correlation of electrophysiology, neurochemistry and axonal projections of guinea-pig sphincter of Oddi neurones. *Neurogastroenterology and Motility*, **1998**, 10, 235-44	4	10

37	Expression and physiological actions of neuropeptide Y in guinea pig parasympathetic cardiac ganglia. *Journal of the Autonomic Nervous System*, **1998**, 71, 190-5		25
36	Neural control of the gallbladder: an intracellular study of human gallbladder neurons. *Digestion*, **1998**, 59, 125-9	3.6	11
35	Nerves and Hormones Interact to Control Gallbladder Function. *Physiology*, **1998**, 13, 84-90	9.8	14
34	5-HT is present in nerves of guinea pig sphincter of Oddi and depolarizes sphincter of Oddi neurons. *American Journal of Physiology - Renal Physiology*, **1998**, 275, G1018-27	5.1	7
33	PGE2 hyperpolarizes gallbladder neurons and inhibits synaptic potentials in gallbladder ganglia. *American Journal of Physiology - Renal Physiology*, **1998**, 274, G493-502	5.1	8
32	Duodenal sensory neurons project to sphincter of Oddi ganglia in guinea pig. *Journal of Neuroscience*, **1998**, 18, 8065-73	6.6	34
31	Identification of the cholinergic neurons in guinea-pig sphincter of Oddi ganglia. *Journal of the Autonomic Nervous System*, **1997**, 64, 12-8		18
30	Tachykinin-induced activation of non-specific cation conductance via NK3 neurokinin receptors in guinea-pig intracardiac neurones. *Journal of Physiology*, **1997**, 504 (Pt 1), 65-74	3.9	45
29	Innervation of the gallbladder: structure, neurochemical coding, and physiological properties of guinea pig gallbladder ganglia. *Microscopy Research and Technique*, **1997**, 39, 1-13	2.8	33
28	Structure and chemical coding of human, canine and opossum gallbladder ganglia. *Cell and Tissue Research*, **1996**, 284, 289-302	4.2	35
27	Expression of choline acetyltransferase immunoreactivity in guinea pig cardiac ganglia. *Cell and Tissue Research*, **1996**, 285, 281-6	4.2	65
26	Evidence for afferent fiber innervation of parasympathetic neurons of the guinea-pig cardiac ganglion. *Journal of the Autonomic Nervous System*, **1995**, 53, 166-74		78
25	Tachykinins as mediators of slow EPSPs in guinea-pig gall-bladder ganglia: involvement of neurokinin-3 receptors. *Journal of Physiology*, **1995**, 485 (Pt 2), 513-24	3.9	44
24	Immunohistochemical identification of neurons in ganglia of the guinea pig sphincter of Oddi. *Journal of Comparative Neurology*, **1995**, 352, 106-16	3.4	25
23	Actions of cholecystokinin and norepinephrine on vagal inputs to ganglion cells in guinea pig gallbladder. *American Journal of Physiology - Renal Physiology*, **1994**, 267, G1146-51	5.1	7
22	NADPH-diaphorase and VIP are co-localized in neurons of gallbladder ganglia. *Journal of the Autonomic Nervous System*, **1993**, 43, 83-9		46
21	Noradrenaline as a presynaptic inhibitory neurotransmitter in ganglia of the guinea-pig gall-bladder. *Journal of Physiology*, **1993**, 461, 387-402	3.9	19
20	Structure of neurons and ganglia of the guinea pig gallbladder: light and electron microscopic studies. *Journal of Comparative Neurology*, **1992**, 317, 31-44	3.4	15

19	Transmitter diversity in ganglion cells of the guinea pig gallbladder: an immunohistochemical study. *Journal of Comparative Neurology*, **1992**, 317, 45-56	3.4	44
18	The role of cholecystokinin in ganglionic transmission in the guinea-pig gall-bladder. *Journal of Physiology*, **1991**, 439, 89-102	3.9	50
17	Intracellular recording from neurones of the guinea-pig gall-bladder. *Journal of Physiology*, **1990**, 429, 323-38	3.9	39
16	Evaluation of the activity of chemically identified enteric neurons through the histochemical demonstration of cytochrome oxidase. *Journal of Comparative Neurology*, **1990**, 301, 1-14	3.4	55
15	Development of synaptic transmission at autonomic synapses in vitro revealed by cytochrome oxidase histochemistry. *Journal of Neurobiology*, **1990**, 21, 578-91		16
14	Structure, afferent innervation, and transmitter content of ganglia of the guinea pig gallbladder: relationship to the enteric nervous system. *Journal of Comparative Neurology*, **1989**, 283, 374-90	3.4	106
13	Immunocytochemical analysis of potential neurotransmitters present in the myenteric plexus and muscular layers of the corpus of the guinea pig stomach. *The Anatomical Record*, **1989**, 224, 431-42		39
12	Differences in synaptic inputs to preganglionic neurons in the dorsal and lateral band subdivisions of the cat sacral parasympathetic nucleus. *Journal of Comparative Neurology*, **1988**, 268, 84-90	3.4	15
11	Characterization and localization of a peripheral neural 5-hydroxytryptamine receptor subtype (5-HT1P) with a selective agonist, 3H-5-hydroxyindalpine. *Journal of Neuroscience*, **1988**, 8, 2582-95	6.6	65
10	Distribution and ultrastructure of ventral root afferents to lamina I of the cat sacral spinal cord. *Neuroscience Letters*, **1987**, 76, 1-6	3.3	11
9	Origin and morphology of nerve fibers in the aganglionic colon of the lethal spotted (ls/ls) mutant mouse. *Journal of Comparative Neurology*, **1987**, 257, 237-52	3.4	71
8	Peripheral neural serotonin receptors: identification and characterization with specific antagonists and agonists. *Proceedings of the National Academy of Sciences of the United States of America*, **1986**, 83, 9799-803	11.5	168
7	Functional heterogeneity in the myenteric plexus: demonstration using cytochrome oxidase as a verified cytochemical probe of the activity of individual enteric neurons. *Journal of Comparative Neurology*, **1986**, 249, 381-91	3.4	57
6	A light and electron microscopic analysis of the sacral parasympathetic nucleus after labelling primary afferent and efferent elements with HRP. *Journal of Comparative Neurology*, **1986**, 250, 33-57	3.4	54
5	Physiological responses of guinea-pig myenteric neurons secondary to the release of endogenous serotonin by tryptamine. *Neuroscience*, **1985**, 16, 223-40	3.9	78
4	Primary afferent projections from dorsal and ventral roots to autonomic preganglionic neurons in the cat sacral spinal cord: light and electron microscopic observations. *Brain Research*, **1984**, 290, 152-7	3.7	41
3	Ultrastructure of HRP-labelled neurons: a comparison of two sensitive techniques. *Brain Research Bulletin*, **1983**, 10, 551-8	3.9	14
2	Motility of the Biliary Tract264-283		2

List of Publications

1 Motility of the Biliary Tract386-398