Joel C Bornstein

List of Publications by Year
in descending order

190 papers	9,732 citations	28274 55 h-index	49909 87 g-index
197 all docs	197 docs citations	197 times ranked	4982 citing authors

#	Article	IF	Citations
1	Enteric neuroimmune interactions coordinate intestinal responses in health and disease. Mucosal Immunology, 2022, 15, 27-39.	6.0	43
2	Neuroinflammation as an etiological trigger for depression comorbid with inflammatory bowel disease. Journal of Neuroinflammation, 2022, 19, 4.	7.2	34
3	Divergent Adaptations in Autonomic Nerve Activity and Neuroimmune Signaling Associated With the Severity of Inflammation in Chronic Colitis. Inflammatory Bowel Diseases, 2022, 28, 1229-1243.	1.9	8
4	Computational simulations and Ca2+ imaging reveal that slow synaptic depolarizations (slow EPSPs) inhibit fast EPSP evoked action potentials for most of their time course in enteric neurons. PLoS Computational Biology, 2022, 18, e1009717.	3.2	1
5	Potent CCR3 Receptor Antagonist, SB328437, Suppresses Colonic Eosinophil Chemotaxis and Inflammation in the Winnie Murine Model of Spontaneous Chronic Colitis. International Journal of Molecular Sciences, 2022, 23, 7780.	4.1	7
6	Inhibition of APE1/Ref-1 Redox Signaling Alleviates Intestinal Dysfunction and Damage to Myenteric Neurons in a Mouse Model of Spontaneous Chronic Colitis. Inflammatory Bowel Diseases, 2021, 27, 388-406.	1.9	26
7	Nitric Oxide Regulates Estrus Cycle Dependent Colonic Motility in Mice. Frontiers in Neuroscience, 2021, 15, 647555.	2.8	11
8	scRNA-Seq Reveals New Enteric Nervous System Roles for GDNF, NRTN, and TBX3. Cellular and Molecular Gastroenterology and Hepatology, 2021, 11, 1548-1592.e1.	4.5	55
9	Colonic dilation and altered <i>ex vivo</i> gastrointestinal motility in the neuroliginâ€3 knockout mouse. Autism Research, 2020, 13, 691-701.	3.8	34
10	Spatiotemporal Mapping Reveals Regional Gastrointestinal Dysfunction in mdx Dystrophic Mice Ameliorated by Oral L-arginine Supplementation. Journal of Neurogastroenterology and Motility, 2020, 26, 133-146.	2.4	7
11	The enteric nervous system undergoes significant chemical and synaptic maturation during adolescence in mice. Developmental Biology, 2020, 458, 75-87.	2.0	41
12	Early life interaction between the microbiota and the enteric nervous system. American Journal of Physiology - Renal Physiology, 2020, 319, G541-G548.	3.4	34
13	Antibiotic exposure postweaning disrupts the neurochemistry and function of enteric neurons mediating colonic motor activity. American Journal of Physiology - Renal Physiology, 2020, 318, G1042-G1053.	3.4	27
14	The Role of the Gastrointestinal Mucus System in Intestinal Homeostasis: Implications for Neurological Disorders. Frontiers in Cellular and Infection Microbiology, 2020, 10, 248.	3.9	109
15	Neonatal Antibiotics DisruptÂMotility and Enteric Neural Circuits in Mouse Colon. Cellular and Molecular Gastroenterology and Hepatology, 2019, 8, 298-300.e6.	4.5	31
16	Luminal 5â€HT₄ receptorsâ€"A successful target for prokinetic actions. Neurogastroenterology and Motility, 2019, 31, e13708.	3.0	14
17	Gastrointestinal dysfunction in patients and mice expressing the autismâ€associated R451C mutation in neuroliginâ€3. Autism Research, 2019, 12, 1043-1056.	3.8	63
18	Co-treatment With BGP-15 Exacerbates 5-Fluorouracil-Induced Gastrointestinal Dysfunction. Frontiers in Neuroscience, 2019, 13, 449.	2.8	5

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19	Endogenous Glutamate Excites Myenteric Calbindin Neurons by Activating Group I Metabotropic Glutamate Receptors in the Mouse Colon. Frontiers in Neuroscience, 2019, 13, 426.	2.8	24
20	Oxaliplatinâ€induced enteric neuronal loss and intestinal dysfunction is prevented by coâ€treatment with BGPâ€15. British Journal of Pharmacology, 2018, 175, 656-677.	5.4	34
21	PARP inhibition in platinum-based chemotherapy: Chemopotentiation and neuroprotection. Pharmacological Research, 2018, 137, 104-113.	7.1	38
22	Enteric Neural Regulation of Mucosal Secretion. , 2018, , 429-451.		6
23	Neurally Released GABA Acts via GABAC Receptors to Modulate Ca2+ Transients Evoked by Trains of Synaptic Inputs, but Not Responses Evoked by Single Stimuli, in Myenteric Neurons of Mouse Ileum. Frontiers in Physiology, 2018, 9, 97.	2.8	25
24	Cholinergic Submucosal Neurons Display Increased Excitability Following in Vivo Cholera Toxin Exposure in Mouse Ileum. Frontiers in Physiology, 2018, 9, 260.	2.8	15
25	Optogenetic Demonstration of Functional Innervation of Mouse Colon by Neurons Derived From Transplanted Neural Cells. Gastroenterology, 2017, 152, 1407-1418.	1.3	49
26	Alterations of colonic function in the <i>Winnie</i> mouse model of spontaneous chronic colitis. American Journal of Physiology - Renal Physiology, 2017, 312, G85-G102.	3.4	34
27	Spontaneous calcium waves in the developing enteric nervous system. Developmental Biology, 2017, 428, 74-87.	2.0	17
28	The relation between cesarean birth and child cognitive development. Scientific Reports, 2017, 7, 11483.	3.3	76
29	Cholera Toxin Induces Sustained Hyperexcitability in Myenteric, but Not Submucosal, AH Neurons in Guinea Pig Jejunum. Frontiers in Physiology, 2017, 8, 254.	2.8	10
30	Irinotecan-Induced Gastrointestinal Dysfunction Is Associated with Enteric Neuropathy, but Increased Numbers of Cholinergic Myenteric Neurons. Frontiers in Physiology, 2017, 8, 391.	2.8	21
31	Calcium Sensing Receptors Mediate Local Inhibitory Reflexes Evoked by L-Phenylalanine in Guinea Pig Jejunum. Frontiers in Physiology, 2017, 8, 991.	2.8	7
32	VPAC Receptor Subtypes Tune Purinergic Neuron-to-Glia Communication in the Murine Submucosal Plexus. Frontiers in Cellular Neuroscience, 2017, 11, 118.	3.7	24
33	Development of Gut Motility. , 2017, , 21-37.		4
34	Colorectal Cancer Chemotherapy: The Evolution of Treatment and New Approaches. Current Medicinal Chemistry, 2017, 24, 1537-1557.	2.4	228
35	Chemotherapy-Induced Constipation and Diarrhea: Pathophysiology, Current and Emerging Treatments. Frontiers in Pharmacology, 2016, 7, 414.	3.5	150
36	Enteric nervous system assembly: Functional integration within the developing gut. Developmental Biology, 2016, 417, 168-181.	2.0	63

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37	White paper on guidelines concerning enteric nervous system stem cell therapy for enteric neuropathies. Developmental Biology, 2016, 417, 229-251.	2.0	112
38	Gastrointestinal dysfunction and enteric neurotoxicity following treatment with anticancer chemotherapeutic agent 5â€fluorouracil. Neurogastroenterology and Motility, 2016, 28, 1861-1875.	3.0	65
39	A sexually dimorphic effect of cholera toxin: rapid changes in colonic motility mediated via a 5â€HT₃ receptorâ€dependent pathway in female C57Bl/6 mice. Journal of Physiology, 2016, 594, 4325-4338.	2.9	29
40	Role of oxidative stress in oxaliplatinâ€induced enteric neuropathy and colonic dysmotility in mice. British Journal of Pharmacology, 2016, 173, 3502-3521.	5.4	74
41	Video Imaging and Spatiotemporal Maps to Analyze Gastrointestinal Motility in Mice. Journal of Visualized Experiments, 2016, , 53828.	0.3	35
42	A neuroligin-3 mutation implicated in autism causes abnormal aggression and increases repetitive behavior in mice. Molecular Autism, 2015, 6, 62.	4.9	66
43	76 Clostridium difficile Toxin and Microbial-Derived GABA Signals Converge to Hyperexcite Myenteric Intrinsic Sensory Neurons. Gastroenterology, 2015, 148, S-21.	1.3	2
44	Changes in Nicotinic Neurotransmission during Enteric Nervous System Development. Journal of Neuroscience, 2015, 35, 7106-7115.	3.6	40
45	Ion Channel Expression in the Developing Enteric Nervous System. PLoS ONE, 2015, 10, e0123436.	2.5	14
46	Both exogenous 5-HT and endogenous 5-HT, released by fluoxetine, enhance distension evoked propulsion in guinea-pig ileum in vitro. Frontiers in Neuroscience, 2014, 8, 301.	2.8	10
47	Mesenchymal stem cells and conditioned medium avert enteric neuropathy and colon dysfunction in guinea pig TNBS-induced colitis. American Journal of Physiology - Renal Physiology, 2014, 307, G1115-G1129.	3.4	38
48	Properties of cholinergic and nonâ€cholinergic submucosal neurons along the mouse colon. Journal of Physiology, 2014, 592, 777-793.	2.9	54
49	Motility changes induced by intraluminal <scp><scp>FeSO₄</scp></scp> in guinea pig jejunum. Neurogastroenterology and Motility, 2014, 26, 385-396.	3.0	1
50	A detailed, conductance-based computer model of intrinsic sensory neurons of the gastrointestinal tract. American Journal of Physiology - Renal Physiology, 2014, 307, G517-G532.	3.4	13
51	VPAC₁ receptors regulate intestinal secretion and muscle contractility by activating cholinergic neurons in guinea pig jejunum. American Journal of Physiology - Renal Physiology, 2014, 306, G748-G758.	3.4	29
52	Mathematical modelling of enteric neural motor patterns. Clinical and Experimental Pharmacology and Physiology, 2014, 41, 155-164.	1.9	10
53	Anti-Colorectal Cancer Chemotherapy-Induced Diarrhoea: Current Treatments and Side-Effects. International Journal of Clinical Medicine, 2014, 05, 393-406.	0.2	50
54	The emergence of neural activity and its role in the development of the enteric nervous system. Developmental Biology, 2013, 382, 365-374.	2.0	43

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55	Development of Gut Motility. , 2013, , 23-35.		1
56	Development of myenteric cholinergic neurons in <i>ChATâ€Cre;R26Râ€YFP</i> mice. Journal of Comparative Neurology, 2013, 521, 3358-3370.	1.6	42
57	Serotonin and cholecystokinin mediate nutrient-induced segmentation in guinea pig small intestine. American Journal of Physiology - Renal Physiology, 2013, 304, G749-G761.	3.4	41
58	Effects of oxaliplatin on mouse myenteric neurons and colonic motility. Frontiers in Neuroscience, 2013, 7, 30.	2.8	55
59	Transmission to Interneurons Is via Slow Excitatory Synaptic Potentials Mediated by P2Y1 Receptors during Descending Inhibition in Guinea-Pig Ileum. PLoS ONE, 2013, 8, e40840.	2.5	13
60	Early Development of Electrical Excitability in the Mouse Enteric Nervous System. Journal of Neuroscience, 2012, 32, 10949-10960.	3.6	29
61	Diet and gastric neurons. Journal of Physiology, 2012, 590, 1015-1015.	2.9	1
62	Myenteric neurons of the mouse small intestine undergo significant electrophysiological and morphological changes during postnatal development. Journal of Physiology, 2012, 590, 2375-2390.	2.9	74
63	859 Cholera Toxin Increases Excitability of Myenteric, but Not Submucosal, AH Neurons in Guinea-Pig Jejunum. Gastroenterology, 2012, 142, S-147-S-148.	1.3	0
64	Serotonin in the Gut: What Does It Do?. Frontiers in Neuroscience, 2012, 6, 16.	2.8	29
65	Autonomic Neuroscience: articles of interest appearing in other Frontiers journals. Frontiers in Neuroscience, 2012, 6, 184.	2.8	0
66	Enteric Neural Regulation of Mucosal Secretion. , 2012, , 769-790.		13
67	Nuciferine and central glutamate receptors. Journal of Pharmacy and Pharmacology, 2011, 31, 795-797.	2.4	11
68	Endogenous peptide YY and neuropeptide Y inhibit colonic ion transport, contractility and transit differentially via Y₁ and Y₂ receptors. British Journal of Pharmacology, 2011, 164, 471-484.	5.4	59
69	Early Emergence of Neural Activity in the Developing Mouse Enteric Nervous System. Journal of Neuroscience, 2011, 31, 15352-15361.	3.6	42
70	Multiple Neural Oscillators and Muscle Feedback Are Required for the Intestinal Fed State Motor Program. PLoS ONE, 2011, 6, e19597.	2.5	25
71	The first intestinal motility patterns in fetal mice are not mediated by neurons or interstitial cells of Cajal. Journal of Physiology, 2010, 588, 1153-1169.	2.9	81
72	Nitric oxide enhances inhibitory synaptic transmission and neuronal excitability in guinea-pig submucous plexus. Frontiers in Neuroscience, 2010, 4, 30.	2.8	9

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73	Luminal Cholera Toxin Alters Motility in Isolated Guinea-Pig Jejunum via a Pathway Independent of 5-HT3 Receptors. Frontiers in Neuroscience, 2010, 4, 162.	2.8	22
74	5-HT_{1A}, SST₁, and SST₂receptors mediate inhibitory postsynaptic potentials in the submucous plexus of the guinea pig ileum. American Journal of Physiology - Renal Physiology, 2010, 298, G384-G394.	3.4	27
75	The neurochemistry and innervation patterns of extrinsic sensory and sympathetic nerves in the myenteric plexus of the C57Bl6 mouse jejunum. Neuroscience, 2010, 166, 564-579.	2.3	30
76	mGluR1 Receptors Contribute to Non-Purinergic Slow Excitatory Transmission to Submucosal VIP Neurons of Guinea-Pig Ileum. Frontiers in Neuroscience, 2009, 3, 46.	2.8	23
77	Electrical stimulation of the mucosa evokes slow EPSPs mediated by NK1 tachykinin receptors and by P2Y1 purinoceptors in different myenteric neurons. American Journal of Physiology - Renal Physiology, 2009, 297, G179-G186.	3.4	20
78	Neurochemical and morphological phenotypes of vagal afferent neurons innervating the adult mouse jejunum. Neurogastroenterology and Motility, 2009, 21, 994-1001.	3.0	29
79	Strainâ€specific genetics, anatomy and function of enteric neural serotonergic pathways in inbred mice. Journal of Physiology, 2009, 587, 567-586.	2.9	109
80	Indirect evidence for increased mechanosensitivity of jejunal secretomotor neurones in patients with idiopathic bile acid malabsorption. Acta Physiologica, 2009, 197, 129-137.	3.8	12
81	Cholera Toxin Induces Sustained Hyperexcitability in Submucosal Secretomotor Neurons in Guinea Pig Jejunum. Gastroenterology, 2009, 136, 299-308.e4.	1.3	36
82	Development of the enteric nervous system and its role in intestinal motility during fetal and early postnatal stages. Seminars in Pediatric Surgery, 2009, 18, 196-205.	1.1	94
83	5-HT antagonists NAN-190 and SB 269970 block Î±2-adrenoceptors in the guinea pig. NeuroReport, 2009, 20, 325-330.	1.2	39
84	Purinergic mechanisms in the control of gastrointestinal motility. Purinergic Signalling, 2008, 4, 197-212.	2.2	35
85	Targets of myenteric interneurons in the guineaâ€pig small intestine. Neurogastroenterology and Motility, 2008, 20, 566-575.	3.0	23
86	Synaptic transmission from the submucosal plexus to the myenteric plexus in Guineaâ€pig ileum. Neurogastroenterology and Motility, 2008, 20, 1165-1173.	3.0	14
87	Distinct chemical classes of medium-sized transient receptor potential channel vanilloid 1-immunoreactive dorsal root ganglion neurons innervate the adult mouse jejunum and colon. Neuroscience, 2008, 156, 334-343.	2.3	93
88	W1347 Strain-Specific Expression of Tph2 Polymorphism in Murine Enteric Neurons. Gastroenterology, 2008, 134, A-685.	1.3	1
89	Pharmacological analysis of components of the change in transmural potential difference evoked by distension of rat proximal small intestine in vivo. American Journal of Physiology - Renal Physiology, 2008, 294, G165-G173.	3.4	11
90	Disturbances of colonic motility in mouse models of Hirschsprung's disease. American Journal of Physiology - Renal Physiology, 2008, 294, G996-G1008.	3.4	92

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91	Insights into mechanisms of intestinal segmentation in guinea pigs: a combined computational modeling and in vitro study. American Journal of Physiology - Renal Physiology, 2008, 295, G534-G541.	3.4	23
92	Mechanisms underlying nutrient-induced segmentation in isolated guinea pig small intestine. American Journal of Physiology - Renal Physiology, 2007, 292, G1162-G1172.	3.4	57
93	Development of colonic motility in the neonatal mouse-studies using spatiotemporal maps. American Journal of Physiology - Renal Physiology, 2007, 292, G930-G938.	3.4	109
94	Synaptic Transmission at Functionally Identified Synapses in the Enteric Nervous System: Roles for Both Ionotropic and Metabotropic Receptors. Current Neuropharmacology, 2007, 5, 1-17.	2.9	61
95	Mapping 5-HT inputs to enteric neurons of the guinea-pig small intestine. Neuroscience, 2007, 145, 556-567.	2.3	41
96	Strain differences in Tph2 genotype in murine myenteric neurons. Autonomic Neuroscience: Basic and Clinical, 2007, 135, 98-99.	2.8	1
97	Local inhibitory reflexes excited by mucosal application of nutrient amino acids in guinea pig jejunum. American Journal of Physiology - Renal Physiology, 2007, 292, G1660-G1670.	3.4	33
98	Elevated motility-related transmucosal potential difference in the upper small intestine in the irritable bowel syndrome. Neurogastroenterology and Motility, 2007, 19, 812-820.	3.0	37
99	Different types of potassium channels underlie the long afterhyperpolarization in guinea-pig sympathetic and enteric neurons. Autonomic Neuroscience: Basic and Clinical, 2006, 124, 26-30.	2.8	5
100	Serotonergic receptors in therapeutic approaches to gastrointestinal disorders. Current Opinion in Pharmacology, 2006, 6, 547-552.	3.5	27
101	Intrinsic Sensory Neurons of Mouse Gutâ€"Toward a Detailed Knowledge of Enteric Neural Circuitry Across Species. Focus on â€œCharacterization of Myenteric Sensory Neurons in the Mouse Small Intestineâ€. Journal of Neurophysiology, 2006, 96, 973-974.	1.8	16
102	Effects of cholera toxin on the potential difference and motor responses induced by distension in the rat proximal small intestine in vivo. American Journal of Physiology - Renal Physiology, 2006, 290, G948-G958.	3.4	17
103	Recurrent networks of submucous neurons controlling intestinal secretion: a modeling study. American Journal of Physiology - Renal Physiology, 2005, 288, G887-G896.	3.4	20
104	Slow excitatory post-synaptic potentials in myenteric AH neurons of the guinea-pig ileum are reduced by the 5-hydroxytrytamine7 receptor antagonist SB 269970. Neuroscience, 2005, 134, 975-986.	2.3	62
105	Synaptic transmission in simple motility reflex pathways excited by distension in guinea pig distal colon. American Journal of Physiology - Renal Physiology, 2004, 287, G1017-G1027.	3.4	26
106	Enteric motor and interneuronal circuits controlling motility. Neurogastroenterology and Motility, 2004, 16, 34-38.	3.0	181
107	Segmentation induced by intraluminal fatty acid in isolated guinea-pig duodenum and jejunum. Journal of Physiology, 2004, 556, 557-569.	2.9	111
108	ATP participates in three excitatory postsynaptic potentials in the submucous plexus of the guinea pig ileum. Journal of Physiology, 2004, 556, 571-584.	2.9	69

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109	Neurokinin-1 and -3 receptor blockade inhibits slow excitatory synaptic transmission in myenteric neurons and reveals slow inhibitory input. Neuroscience, 2004, 126, 137-147.	2.3	49
110	Nicotinic transmission at functionally distinct synapses in descending reflex pathways of the rat colon. Neurogastroenterology and Motility, 2003, 15, 161-171.	3.0	27
111	Cholinergic transmission to colonic circular muscle of children with slow-transit constipation is unimpaired, but transmission via NK2 receptors is lacking. Neurogastroenterology and Motility, 2003, 15, 669-678.	3.0	35
112	Group 1 metabotropic glutamate receptor antagonism inhibits propulsion in guinea pig colon. Gastroenterology, 2003, 124, A138.	1.3	0
113	Inhibitory cotransmission or after-hyperpolarizing potentials can regulate firing in recurrent networks with excitatory metabotropic transmission. Neuroscience, 2003, 120, 333-351.	2.3	50
114	ATP as a Putative Sensory Mediator: Activation of Intrinsic Sensory Neurons of the Myenteric Plexus via P2X Receptors. Journal of Neuroscience, 2002, 22, 4767-4775.	3.6	84
115	ATP and 5-HT are the principal neurotransmitters in the descending excitatory reflex pathway of the guinea-pig ileum. Neurogastroenterology and Motility, 2002, 14, 255-264.	3.0	60
116	The role of nicotinic, P2X and 5-HT3 receptors in descending excitation in the guinea pig Ileum. Gastroenterology, 2001, 120, A333.	1.3	0
117	Alzheimer's disease and Aβ toxicity: from top to bottom. Nature Reviews Neuroscience, 2001, 2, 595-598.	10.2	382
118	Role of Î±2-adrenoceptors in the sympathetic inhibition of motility reflexes of guinea-pig ileum. Journal of Physiology, 2001, 534, 465-478.	2.9	39
119	Evidence for functional NK1-tachykinin receptors on motor neurones supplying the circular muscle of guinea-pig small and large intestine. Neurogastroenterology and Motility, 2000, 12, 307-315.	3.0	25
120	Descending inhibitory reflexes involve P2X receptorâ€mediated transmission from interneurons to motor neurons in guineaâ€pig ileum. Journal of Physiology, 2000, 528, 551-560.	2.9	68
121	A simple mathematical model of second-messenger mediated slow excitatory postsynaptic potentials. Journal of Computational Neuroscience, 2000, 8, 127-142.	1.0	19
122	The terminals of myenteric intrinsic primary afferent neurons of the guinea-pig ileum are excited by 5-hydroxytryptamine acting at 5-hydroxytryptamine-3 receptors. Neuroscience, 2000, 101, 459-469.	2.3	176
123	A computer simulation of recurrent, excitatory networks of sensory neurons of the gut in guinea-pig. Neuroscience Letters, 2000, 287, 137-140.	2.1	34
124	Enteric micro-circuits activated upon stimulation of the mucosa. Gastroenterology, 2000, 118, A667.	1.3	1
125	ERYTHROMYCIN DERIVATIVES ABT 229 AND GM 611 ACT ON MOTILIN RECEPTORS IN THE RABBIT DUODENUM. Clinical and Experimental Pharmacology and Physiology, 1999, 26, 242-245.	1.9	29
126	Evidence that inhibitory motor neurons of the guinea-pig small intestine exhibit fast excitatory synaptic potentials mediated via P2X receptors. Neuroscience Letters, 1999, 266, 169-172.	2.1	46

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127	Genesis and role of coordinated firing in a feedforward network: a model study of the enteric nervous system. Neuroscience, 1999, 93, 1525-1537.	2.3	31
128	Correlation of morphology, electrophysiology and chemistry of neurons in the myenteric plexus of the guinea-pig distal colon. Journal of the Autonomic Nervous System, 1999, 76, 45-61.	1.9	73
129	Intracellular recording from myenteric neurons of the guinea-pig ileum that respond to stretch. Journal of Physiology, 1998, 506, 827-842.	2.9	175
130	Roles of neuronal NK1 and NK3 receptors in synaptic transmission during motility reflexes in the guinea-pig ileum. British Journal of Pharmacology, 1998, 124, 1375-1384.	5.4	87
131	Electrical mapping of the projections of intrinsic primary afferent neurones to the mucosa of the guineaâ€pig small intestine. Neurogastroenterology and Motility, 1998, 10, 533-542.	3.0	56
132	Intrinsic primary afferent neuronsof the intestine. Progress in Neurobiology, 1998, 54, 1-18.	5.7	373
133	Morphological and immunohistochemical identification of neurons and their targets in the guinea-pig duodenum. Neuroscience, 1998, 86, 679-694.	2.3	61
134	Computer simulation of the enteric neural circuits mediating an ascending reflex: Roles of fast and slow excitatory outputs of sensory neurons. Journal of the Autonomic Nervous System, 1997, 64, 143-157.	1.9	14
135	Influence of the mucosa on the excitability of myenteric neurons. Neuroscience, 1997, 76, 619-634.	2.3	62
136	Correlation of electrophysiological and morphological characteristics of myenteric neurons of the duodenum in the guinea-pig. Neuroscience, 1997, 82, 899-914.	2.3	62
137	Differential effects of Ï‰-conotoxin GVIA on cholinergic and non-cholinergic secretomotor neurones in the guinea-pig small intestine. British Journal of Pharmacology, 1997, 121, 232-236.	5.4	5
138	Electrophysiological mapping of fast excitatory synaptic inputs to morphologically and chemically characterized myenteric neurons of guinea-pig small intestine. Neuroscience, 1996, 73, 1017-1028.	2.3	36
139	EXPERIMENTAL BASIS FOR REALISTIC LARGE-SCALE COMPUTER SIMULATION OF THE ENTERIC NERVOUS SYSTEM. Clinical and Experimental Pharmacology and Physiology, 1996, 23, 786-792.	1.9	7
140	Plurichemical transmission and chemical coding of neurons in the digestive tract. Gastroenterology, 1995, 108, 554-563.	1.3	179
141	Identification of sensory nerve cells in a peripheral organ (the intestine) of a mammal. Neuroscience, 1995, 66, 1-4.	2.3	185
142	Charybdotoxin and iberiotoxin but not apamin abolish the slow after-hyperpolarization in myenteric plexus neurons. Pflugers Archiv European Journal of Physiology, 1994, 428, 300-306.	2.8	49
143	Combined intracellular injection of Neurobiotin and pre-embedding immunocytochemistry using silver-intensified gold probes in myenteric neurons. Journal of Neuroscience Methods, 1994, 51, 39-45.	2.5	9
144	Characterization of 5-HT receptors mediating contraction and relaxation of the longitudinal muscle of guinea-pig distal colon in vitro. Naunyn-Schmiedeberg's Archives of Pharmacology, 1994, 349, 455-462.	3.0	32

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145	Projections of 5-hydroxytryptamine-immunoreactive neurons in guinea-pig distal colon. Cell and Tissue Research, 1994, 278, 379-387.	2.9	45
146	Electrophysiological analysis of the convergence of peripheral inputs onto neurons of the coeliac ganglion in the guinea pig. Journal of the Autonomic Nervous System, 1994, 46, 93-105.	1.9	36
147	LOCAL NEURAL CONTROL OF INTESTINAL MOTILITY: NERVE CIRCUITS DEDUCED FOR THE GUINEA-PIG SMALL INTESTINE. Clinical and Experimental Pharmacology and Physiology, 1994, 21, 441-452.	1.9	29
148	Investigation of the role of 5â€HT₃ and 5â€HT₄ receptors in ascending and descending reflexes to the circular muscle of guineaâ€pig small intestine. British Journal of Pharmacology, 1994, 112, 1095-1100.	5.4	50
149	Characterization of 5â€hydroxytryptamine receptors mediating mucosal secretion in guineaâ€pig ileum. British Journal of Pharmacology, 1994, 111, 1240-1244.	5.4	24
150	Electrophysiological and morphological classification of myenteric neurons in the proximal colon of the guinea-pig. Neuroscience, 1994, 60, 227-244.	2.3	51
151	Structure of the tertiary component of the myenteric plexus in the guinea-pig small intestine. Cell and Tissue Research, 1993, 272, 509-516.	2.9	32
152	Simultaneous intracellular recordings from enteric neurons reveal that myenteric ah neurons transmit via slow excitatory postsynaptic potentials. Neuroscience, 1993, 55, 685-694.	2.3	124
153	Roles of peptides in transmission in the enteric nervous system. Trends in Neurosciences, 1992, 15, 66-71.	8.6	166
154	Projections and chemical coding of neurons with immunoreactivity for nitric oxide synthase in the guinea-pig small intestine. Neuroscience Letters, 1992, 148, 121-125.	2.1	304
155	Post-stimulus depression of reflex changes in circular muscle activity in the guinea pig small intestine. Journal of the Autonomic Nervous System, 1992, 40, 171-180.	1.9	12
156	Interactions between reflexes evoked by distension and mucosal stimulation: Electrophysiological studies of guinea-pig ileum. Journal of the Autonomic Nervous System, 1991, 34, 69-75.	1.9	64
157	Mucosal distortion by compression elicits polarized reflexes and enhances responses of the circular muscle to distension in the small intestine. Journal of the Autonomic Nervous System, 1991, 35, 219-226.	1.9	45
158	Identification of neurones involved in intestinal reflexes. Journal of the Autonomic Nervous System, 1991, 33, 199-200.	1.9	1
159	Ramifications of the axons of AH-neurons injected with the intracellular marker biocytin in the myenteric plexus of the guinea pig small intestine. Journal of Comparative Neurology, 1991, 314, 437-451.	1.6	105
160	Calbindin neurons of the guinea-pig small intestine: quantitative analysis of their numbers and projections. Cell and Tissue Research, 1990, 260, 261-272.	2.9	164
161	An electrophysiological study of the projections of putative sensory neurons within the myenteric plexus of the guinea pig ileum. Neuroscience Letters, 1990, 110, 286-290.	2.1	56
162	Distension-evoked ascending and descending reflexes in the circular muscle of guinea-pig ileum: an intracellular study. Journal of the Autonomic Nervous System, 1990, 29, 203-217.	1.9	123

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164	Correlated functional and structural analysis of enteric neural circuits.. Archives of Histology and Cytology, 1989, 52, 161-166.	0.2	9
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