

David R Linden

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

4,900
citations

201575

27
h-index

138417

58
g-index

61
all docs

61
docs citations

61
times ranked

5516
citing authors

#	ARTICLE	IF	CITATIONS
1	Specialized Mechanosensory Epithelial Cells in Mouse Gut Intrinsic Tactile Sensitivity. <i>Gastroenterology</i> , 2022, 162, 535-547.e13.	0.6	44
2	A simple automated approach to measure mouse whole gut transit. <i>Neurogastroenterology and Motility</i> , 2021, 33, e13994.	1.6	7
3	Wnt-induced, TRP53-mediated Cell Cycle Arrest of Precursors Underlies Interstitial Cell of Cajal Depletion During Aging. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 11, 117-145.	2.3	9
4	Duodenal mucosal secretory disturbances in functional dyspepsia. <i>Neurogastroenterology and Motility</i> , 2021, 33, e13955.	1.6	10
5	Bicarbonate ion transport by the electrogenic Na ⁺ /HCO ₃ ⁻ cotransporter, NBCe1, is required for normal electrical slow-wave activity in mouse small intestine. <i>Neurogastroenterology and Motility</i> , 2021, 33, e14149.	1.6	0
6	Passive siRNA transfection method for gene knockdown in air-liquid interface airway epithelial cell cultures. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 321, L280-L286.	1.3	10
7	Identification of intrinsic primary afferent neurons in mouse jejunum. <i>Neurogastroenterology and Motility</i> , 2020, 32, e13989.	1.6	11
8	Bacterially Derived Tryptamine Increases Mucus Release by Activating a Host Receptor in a Mouse Model of Inflammatory Bowel Disease. <i>IScience</i> , 2020, 23, 101798.	1.9	29
9	High-fat diet-induced alterations to gut microbiota and gut-derived lipoteichoic acid contributes to the development of enteric neuropathy. <i>Neurogastroenterology and Motility</i> , 2020, 32, e13838.	1.6	19
10	Enteric Glial Networks Visualized using SOX10 Fluorescent Reporter in Optically Cleared Full Thickness Intestinal Tissues. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	1
11	Epithelial Mechanosensitive Ion Channel Piezo2 Contributes to Pressure-Induced Epithelial Chloride Secretion in Mouse Colon. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
12	Muscularis Propria Macrophages Alter the Proportion of Nitroergic but Not Cholinergic Gastric Myenteric Neurons. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2019, 7, 689-691.e4.	2.3	22
13	Cell Intrinsic Deregulated β -Catenin Signaling Promotes Expansion of Bone Marrow Derived Connective Tissue Type Mast Cells, Systemic Inflammation, and Colon Cancer. <i>Frontiers in Immunology</i> , 2019, 10, 2777.	2.2	9
14	High temporal resolution gastric emptying breath tests in mice. <i>Neurogastroenterology and Motility</i> , 2018, 30, e13333.	1.6	10
15	Change in Populations of Macrophages Promotes Development of Delayed Gastric Emptying in Mice. <i>Gastroenterology</i> , 2018, 154, 2122-2136.e12.	0.6	64
16	Extracellular Cl ⁻ regulates electrical slow waves and setting of smooth muscle membrane potential by interstitial cells of Cajal in mouse jejunum. <i>Experimental Physiology</i> , 2018, 103, 40-57.	0.9	5
17	Expression of RAD21 immunoreactivity in myenteric neurons of the human and mouse small intestine. <i>Neurogastroenterology and Motility</i> , 2018, 30, e13429.	1.6	3
18	A population of gut epithelial enterochromaffin cells is mechanosensitive and requires Piezo2 to convert force into serotonin release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7632-E7641.	3.3	174

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19	Gut Microbiota-Produced Tryptamine Activates an Epithelial G-Protein-Coupled Receptor to Increase Colonic Secretion. <i>Cell Host and Microbe</i> , 2018, 23, 775-785.e5.	5.1	268
20	Hyperglycemia Increases Interstitial Cells of Cajal via MAPK1 and MAPK3 Signaling to ETV1 and KIT, Leading to Rapid Gastric Emptying. <i>Gastroenterology</i> , 2017, 153, 521-535.e20.	0.6	59
21	Human-derived gut microbiota modulates colonic secretion in mice by regulating 5-HT ₃ receptor expression via acetate production. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, G80-G87.	1.6	67
22	Constipation-Predominant Irritable Bowel Syndrome Females Have Normal Colonic Barrier and Secretory Function. <i>American Journal of Gastroenterology</i> , 2017, 112, 913-923.	0.2	33
23	Mechanosensitive ion channel Piezo2 is important for enterochromaffin cell response to mechanical forces. <i>Journal of Physiology</i> , 2017, 595, 79-91.	1.3	121
24	Differential effects in CGRPergic, nitrergic, and VIPergic myenteric innervation in diabetic rats supplemented with 2% L-glutamine. <i>Anais Da Academia Brasileira De Ciencias</i> , 2016, 88, 609-622.	0.3	9
25	Correlated gene expression encoding serotonin (5-HT) receptor 4 and 5-HT transporter in proximal colonic segments of mice across different colonization states and sexes. <i>Neurogastroenterology and Motility</i> , 2016, 28, 1443-1448.	1.6	10
26	Measurement of Gastrointestinal and Colonic Motor Functions in Humans and Animals. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2016, 2, 412-428.	2.3	49
27	Altered gut microbiota in female mice with persistent low body weights following removal of post-weaning chronic dietary restriction. <i>Genome Medicine</i> , 2016, 8, 103.	3.6	20
28	Walker 256 tumor-bearing rats demonstrate altered interstitial cells of Cajal. Effects on ICC in the Walker 256 tumor model. <i>Neurogastroenterology and Motility</i> , 2016, 28, 101-115.	1.6	17
29	Interleukin 10 Restores Gastric Emptying, Electrical Activity, and Interstitial Cells of Cajal Networks in Diabetic Mice. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2016, 2, 454-467.	2.3	23
30	Diabetic Csf1op/op Mice Lacking Macrophages Are Protected Against the Development of Delayed Gastric Emptying. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2016, 2, 40-47.	2.3	38
31	Outcome of Whole Exome Sequencing for Diagnostic Odyssey Cases of an Individualized Medicine Clinic. <i>Mayo Clinic Proceedings</i> , 2016, 91, 297-307.	1.4	83
32	A novel exon in the human Ca ²⁺ -activated Cl ⁻ channel Ano1 imparts greater sensitivity to intracellular Ca ²⁺ . <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, G743-G749.	1.6	13
33	Changes in nitrergic and tachykininergic pathways in rat proximal colon in response to chronic treatment with otilonium bromide. <i>Neurogastroenterology and Motility</i> , 2015, 27, 997-1009.	1.6	8
34	Gut microbes promote colonic serotonin production through an effect of short-chain fatty acids on enterochromaffin cells. <i>FASEB Journal</i> , 2015, 29, 1395-1403.	0.2	876
35	A gamma variate model that includes stretched exponential is a better fit for gastric emptying data from mice. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, G162-G170.	1.6	5
36	Effect of endogenous hydrogen sulfide on the transwall gradient of the mouse colon circular smooth muscle. <i>Journal of Physiology</i> , 2014, 592, 1077-1089.	1.3	20

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37	Neuroplasticity and dysfunction after gastrointestinal inflammation. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2014, 11, 611-627.	8.2	227
38	Hydrogen Sulfide Signaling in the Gastrointestinal Tract. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 818-830.	2.5	171
39	Enhanced excitability of guinea pig ileum myenteric AH neurons during and following recovery from chemical colitis. <i>Neuroscience Letters</i> , 2013, 545, 91-95.	1.0	11
40	Hydrogen Sulfide Selectively Potentiates Central Preganglionic Fast Nicotinic Synaptic Input in Mouse Superior Mesenteric Ganglion. <i>Journal of Neuroscience</i> , 2013, 33, 12638-12646.	1.7	14
41	Assessment of Gastric Emptying in Non-obese Diabetic Mice Using a [¹³ C]-octanoic Acid Breath Test. <i>Journal of Visualized Experiments</i> , 2013, , e50301.	0.2	11
42	Colitis is associated with a loss of intestinofugal neurons. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 303, G1096-G1104.	1.6	20
43	Enhanced excitability of guinea pig inferior mesenteric ganglion neurons during and following recovery from chemical colitis. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 303, G1067-G1075.	1.6	14
44	Sulphide quinone reductase contributes to hydrogen sulphide metabolism in murine peripheral tissues but not in the CNS. <i>British Journal of Pharmacology</i> , 2012, 165, 2178-2190.	2.7	63
45	Generalized neuromuscular hypoplasia, reduced smooth muscle myosin and altered gut motility in the klothe model of premature aging. <i>Neurogastroenterology and Motility</i> , 2011, 23, e309-e323.	1.6	25
46	Localized reductions in the expression of connexin43 are associated with segmental boundaries in the guinea pig ileum. <i>FASEB Journal</i> , 2011, 25, .	0.2	0
47	Loss of Kitlowprogenitors, reduced stem cell factor and high oxidative stress underlie gastric dysfunction in progeric mice. <i>Journal of Physiology</i> , 2010, 588, 3101-3117.	1.3	44
48	Carbon monoxide reverses diabetic gastroparesis in NOD mice. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 298, G1013-G1019.	1.6	54
49	Endogenous Production of H ₂ S in the Gastrointestinal Tract: Still in Search of a Physiologic Function. <i>Antioxidants and Redox Signaling</i> , 2010, 12, 1135-1146.	2.5	94
50	CD206-Positive M2 Macrophages That Express Heme Oxygenase-1 Protect Against Diabetic Gastroparesis in Mice. <i>Gastroenterology</i> , 2010, 138, 2399-2409.e1.	0.6	189
51	Post-inflammatory colonic afferent sensitisation: different subtypes, different pathways and different time courses. <i>Gut</i> , 2009, 58, 1333-1341.	6.1	154
52	Novel promoter and alternate transcription start site of the human serotonin reuptake transporter in intestinal mucosa. <i>Neurogastroenterology and Motility</i> , 2009, 21, 534.	1.6	13
53	Production of the gaseous signal molecule hydrogen sulfide in mouse tissues. <i>Journal of Neurochemistry</i> , 2008, 106, 1577-1585.	2.1	127
54	Changes in colonic motility and the electrophysiological properties of myenteric neurons persist following recovery from trinitrobenzene sulfonic acid colitis in the guinea pig. <i>Neurogastroenterology and Motility</i> , 2007, 19, 990-1000.	1.6	60

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55	Effects of gastrointestinal inflammation on enteroendocrine cells and enteric neural reflex circuits. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2006, 126-127, 250-257.	1.4	101
56	Serotonin transporter function and expression are reduced in mice with TNBS-induced colitis. <i>Neurogastroenterology and Motility</i> , 2005, 17, 565-574.	1.6	126
57	Indiscriminate loss of myenteric neurones in the TNBS-inflamed guinea-pig distal colon. <i>Neurogastroenterology and Motility</i> , 2005, 17, 751-760.	1.6	147
58	Molecular defects in mucosal serotonin content and decreased serotonin reuptake transporter in ulcerative colitis and irritable bowel syndrome. <i>Gastroenterology</i> , 2004, 126, 1657-1664.	0.6	684
59	Colitis: it is not just for the colon anymore. <i>British Journal of Pharmacology</i> , 2003, 139, 185-186.	2.7	6
60	Enhanced excitability of myenteric AH neurones in the inflamed guinea-pig distal colon. <i>Journal of Physiology</i> , 2003, 547, 589-601.	1.3	169
61	Serotonin availability is increased in mucosa of guinea pigs with TNBS-induced colitis. <i>American Journal of Physiology - Renal Physiology</i> , 2003, 285, G207-G216.	1.6	230