

David R Brown

List of Publications by Year in descending order

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97
papers

3,809
citations

126858

33
h-index

133188

59
g-index

98
all docs

98
docs citations

98
times ranked

2707
citing authors

#	ARTICLE	IF	CITATIONS
1	Suppression of deprivation-induced food and water intake in rats and mice by naloxone. <i>Pharmacology Biochemistry and Behavior</i> , 1979, 11, 567-573.	1.3	276
2	The use of quaternary narcotic antagonists in opiate research. <i>Neuropharmacology</i> , 1985, 24, 181-191.	2.0	238
3	Stress at the intestinal surface: catecholamines and mucosa-bacteria interactions. <i>Cell and Tissue Research</i> , 2011, 343, 23-32.	1.5	223
4	Endocannabinoids as physiological regulators of colonic propulsion in mice. <i>Gastroenterology</i> , 2002, 123, 227-234.	0.6	167
5	Porcine IPEC-J2 intestinal epithelial cells in microbiological investigations. <i>Veterinary Microbiology</i> , 2012, 156, 229-237.	0.8	138
6	Localization of CB 1 -cannabinoid receptor immunoreactivity in the porcine enteric nervous system. <i>Cell and Tissue Research</i> , 2000, 302, 73-80.	1.5	121
7	The human gastrin/cholecystokinin type B receptor gene: alternative splice donor site in exon 4 generates two variant mRNAs.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 9085-9089.	3.3	104
8	Catecholamines Modulate Escherichia coli O157:H7 Adherence to Murine Cecal Mucosa. <i>Shock</i> , 2003, 20, 183-188.	1.0	99
9	Opiate antagonists: central sites of action in suppressing water intake of the rat. <i>Brain Research</i> , 1981, 221, 432-436.	1.1	91
10	Neuromodulation of enteropathogen internalization in Peyer's patches from porcine jejunum. <i>Journal of Neuroimmunology</i> , 2003, 141, 74-82.	1.1	89
11	Suppression of drinking by naloxone in the rat: A further characterization. <i>European Journal of Pharmacology</i> , 1981, 69, 331-340.	1.7	85
12	Evidence that opiate receptors mediate suppression of hypertonic saline-induced drinking in the mouse by narcotic antagonists. <i>Life Sciences</i> , 1980, 26, 1543-1550.	2.0	76
13	Suppression by naloxone of water intake induced by deprivation and hypertonic saline in intact and hypophysectomized rats. <i>Life Sciences</i> , 1980, 26, 1535-1542.	2.0	75
14	Pain threshold changes in adjuvant-induced inflammation: A possible model of chronic pain in the mouse. <i>Pharmacology Biochemistry and Behavior</i> , 1986, 24, 49-53.	1.3	75
15	Neuromedin U octapeptide alters ion transport in porcine jejunum. <i>European Journal of Pharmacology</i> , 1988, 155, 159-162.	1.7	74
16	Gastric antisecretory role and immunohistochemical localization of cannabinoid receptors in the rat stomach. <i>British Journal of Pharmacology</i> , 2002, 135, 1598-1606.	2.7	73
17	Adrenergic modulation of Escherichia coli O157:H7 adherence to the colonic mucosa. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 287, G1238-G1246.	1.6	73
18	Effects of opiate antagonists and putative mu- and kappa-agonists on milk intake in rat and squirrel monkey. <i>Pharmacology Biochemistry and Behavior</i> , 1982, 17, 1275-1279.	1.3	72

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19	Catecholaminergic, cholinergic and peptidergic innervation of gut-associated lymphoid tissue in porcine jejunum and ileum. <i>Cell and Tissue Research</i> , 1999, 298, 275-286.	1.5	68
20	Chemical coding of neurons expressing δ - and μ -opioid receptor and type I vanilloid receptor immunoreactivities in the porcine ileum. <i>Cell and Tissue Research</i> , 2002, 307, 23-33.	1.5	66
21	Piperidine alkaloids: Human and food animal teratogens. <i>Food and Chemical Toxicology</i> , 2012, 50, 2049-2055.	1.8	59
22	Anatomical evidence for enteric neuroimmune interactions in Peyer's patches. <i>Journal of Neuroimmunology</i> , 2007, 185, 64-74.	1.1	55
23	Reversal of morphine-induced catalepsy in the rat by narcotic antagonists and their quaternary derivatives. <i>Neuropharmacology</i> , 1983, 22, 317-321.	2.0	52
24	Mucosally-directed adrenergic nerves and sympathomimetic drugs enhance non-intimate adherence of <i>Escherichia coli</i> O157:H7 to porcine cecum and colon. <i>European Journal of Pharmacology</i> , 2006, 539, 116-124.	1.7	50
25	Secretagogue-induced changes in membrane calcium permeability in chicken and chinchilla ileal mucosa. Selective inhibition by loperamide. <i>Journal of Clinical Investigation</i> , 1986, 78, 281-287.	3.9	49
26	Linkage assignment of eleven genes to the porcine genome. <i>Mammalian Genome</i> , 1997, 8, 559-563.	1.0	42
27	NEUROTENSIN. <i>British Medical Bulletin</i> , 1982, 38, 239-246.	2.7	41
28	Cloning, expression and functional role of a nociceptin/orphanin FQ receptor in the porcine gastrointestinal tract. <i>European Journal of Pharmacology</i> , 1999, 365, 281-289.	1.7	40
29	Opioid, cannabinoid and vanilloid receptor localization on porcine cultured myenteric neurons. <i>Neuroscience Letters</i> , 2001, 308, 153-156.	1.0	39
30	Autonomic neurotransmitters modulate immunoglobulin A secretion in porcine colonic mucosa. <i>Journal of Neuroimmunology</i> , 2007, 185, 20-28.	1.1	39
31	Evidence for PMAT- and OCT-like biogenic amine transporters in a probiotic strain of <i>Lactobacillus</i> : Implications for interkingdom communication within the microbiota-gut-brain axis. <i>PLoS ONE</i> , 2018, 13, e0191037.	1.1	37
32	Narcotic antagonists attenuate drinking induced by water deprivation in a primate. <i>Life Sciences</i> , 1981, 28, 1287-1294.	2.0	36
33	Orphanin FQ/nociceptin: a novel neuromodulator of gastrointestinal function?. <i>Peptides</i> , 2000, 21, 999-1005.	1.2	35
34	Regulation of Ion Transport in the Porcine Intestinal Tract by Enteric Neurotransmitters and Hormones. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1997, 118, 309-317.	0.7	34
35	In vitro evaluation of intraluminal factors that may alter intestinal permeability in ponies with carbohydrate-induced laminitis. <i>American Journal of Veterinary Research</i> , 2000, 61, 858-861.	0.3	33
36	Effects of galanin on smooth muscle and mucosa of porcine jejunum. <i>Peptides</i> , 1990, 11, 497-500.	1.2	31

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37	Salmonella enterica serovar Choleraesuis infection of the porcine jejunal Peyer's patch rapidly induces IL-1 β and IL-8 expression. <i>Veterinary Immunology and Immunopathology</i> , 2006, 109, 1-11.	0.5	31
38	An analysis of the effects of galanin on gastric acid secretion and plasma levels of gastrin in the dog. <i>European Journal of Pharmacology</i> , 1988, 154, 313-318.	1.7	29
39	Regulation of ion transport in porcine distal colon: Effects of putative neurotransmitters. <i>Gastroenterology</i> , 1991, 100, 703-710.	0.6	29
40	Adrenocorticotrophic hormone modulates Escherichia coli O157:H7 adherence to porcine colonic mucosa. <i>Stress</i> , 2005, 8, 185-190.	0.8	28
41	CNS involvement in the antisecretory action of [Met ⁵]enkephalinamide on the rat intestine. <i>European Journal of Pharmacology</i> , 1983, 90, 441-444.	1.7	27
42	Catecholamines and sympathomimetic drugs decrease early Salmonella Typhimurium uptake into porcine Peyer's patches. <i>FEMS Immunology and Medical Microbiology</i> , 2008, 52, 29-35.	2.7	27
43	Comparison of growth phase on Salmonella enterica serovar Typhimurium invasion in an epithelial cell line (IPEC J2) and mucosal explants from porcine small intestine. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2008, 31, 63-69.	0.7	27
44	Mucosal protection through active intestinal secretion: neural and paracrine modulation by 5-hydroxytryptamine. <i>Behavioural Brain Research</i> , 1995, 73, 193-197.	1.2	25
45	Expression of nociceptin/OFQ receptor and prepro-nociceptin/OFQ in lymphoid tissues. <i>Peptides</i> , 2000, 21, 1865-1870.	1.2	25
46	Characterization of Salmonella enterica serovar Typhimurium DT104 invasion in an epithelial cell line (IPEC J2) from porcine small intestine. <i>Veterinary Microbiology</i> , 2007, 120, 328-333.	0.8	25
47	Neurotensin binding sites in porcine jejunum: Biochemical Characterization and Intramural Localization. <i>Synapse</i> , 1990, 6, 81-90.	0.6	24
48	Symposium review: Microbial endocrinology—Why the integration of microbes, epithelial cells, and neurochemical signals in the digestive tract matters to ruminant health. <i>Journal of Dairy Science</i> , 2018, 101, 5619-5628.	1.4	24
49	Actions of neuropeptide Y on basal, cyclic AMP-induced and neurally evoked ion transport in porcine distal jejunum. <i>Regulatory Peptides</i> , 1990, 29, 31-47.	1.9	23
50	Differential effects of clathrin and actin inhibitors on internalization of Escherichia coli and Salmonella choleraesuis in porcine jejunal Peyer's patches. <i>Veterinary Microbiology</i> , 2006, 113, 117-122.	0.8	23
51	The porcine mu opioid receptor: molecular cloning and mRNA distribution in lymphoid tissues. <i>Journal of Neuroimmunology</i> , 1998, 90, 192-198.	1.1	21
52	Cholinergic neurons and muscarinic receptors regulate anion secretion in pig distal jejunum. <i>European Journal of Pharmacology</i> , 1991, 193, 265-273.	1.7	20
53	Delta-opioid receptor mRNA expression and immunohistochemical localization in porcine ileum. <i>Digestive Diseases and Sciences</i> , 1998, 43, 1402-1410.	1.1	20
54	Suppression of drinking by naloxone in rats homo- and heterozygous for diabetes insipidus. <i>Pharmacology Biochemistry and Behavior</i> , 1981, 15, 109-114.	1.3	19

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55	Opiate binding sites in mucosa of pig small intestine. <i>Life Sciences</i> , 1991, 49, PL219-PL222.	2.0	18
56	Opioid receptors on bone marrow neutrophils modulate chemotaxis and CD11b/CD18 expression. <i>European Journal of Pharmacology</i> , 2001, 414, 289-294.	1.7	17
57	Effect of avian neurotensin on motility of chicken (<i>Gallus domesticus</i>) lower gut in vivo and in vitro. <i>Peptides</i> , 1990, 11, 641-645.	1.2	16
58	Inhibition of the antisecretory effects of [D-Ala ² ,D-Leu ⁵]enkephalin in the guinea-pig ileum by a selective δ opioid antagonist. <i>European Journal of Pharmacology</i> , 1983, 94, 159-161.	1.7	15
59	Actions of centrally administered neuropeptides on rat intestinal transport: enhancement of ileal absorption by angiotensin II. <i>European Journal of Pharmacology</i> , 1988, 148, 411-418.	1.7	15
60	Canine neurotensin, neurotensin ϵ -13 and neuromedin N: primary structures and receptor activity. <i>Regulatory Peptides</i> , 1990, 28, 11-22.	1.9	15
61	Molecular Cloning and Structural Analysis of Canine Gastric H ⁺ , K ⁺ -ATPase. <i>Biochemical and Biophysical Research Communications</i> , 1993, 196, 1240-1247.	1.0	15
62	Presence of immunocytes and sulfidopeptide leukotrienes in the inflamed guinea pig distal colon. <i>Inflammation</i> , 1996, 20, 413-425.	1.7	15
63	Kinin-Induced Anion-Dependent Secretion in Porcine Ileum: Characterization and Involvement of Opioid- and Cannabinoid-Sensitive Enteric Neural Circuits. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 305, 733-739.	1.3	15
64	Characterization and autoradiographic localization of gastrin releasing peptide receptors in the porcine gut. <i>Peptides</i> , 1990, 11, 779-787.	1.2	14
65	Evaluation of substance P as a neurotransmitter in equine jejunum. <i>American Journal of Veterinary Research</i> , 2000, 61, 1178-1184.	0.3	14
66	Interactions Between Bacteria and the Gut Mucosa: Do Enteric Neurotransmitters Acting on the Mucosal Epithelium Influence Intestinal Colonization or Infection?. <i>Advances in Experimental Medicine and Biology</i> , 2016, 874, 121-141.	0.8	14
67	Propranolol Sensitizes Vascular Sarcoma Cells to Doxorubicin by Altering Lysosomal Drug Sequestration and Drug Efflux. <i>Frontiers in Oncology</i> , 2020, 10, 614288.	1.3	14
68	Predominance of δ -Opioid-Binding Sites in the Porcine Enteric Nervous System. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 300, 900-909.	1.3	13
69	Evidence for Neuromodulation of Enteropathogen Invasion in the Intestinal Mucosa. <i>Journal of NeuroImmune Pharmacology</i> , 2007, 2, 329-337.	2.1	13
70	Modulation of Na ⁺ , Cl ⁻ and HCO ₃ ⁻ transport by carbachol in pig distal jejunum. <i>European Journal of Pharmacology</i> , 1991, 193, 257-264.	1.7	12
71	[D-Ala ² , Met ⁵]-Enkephalinamide: CNS-mediated inhibition of prostaglandin-stimulated intestinal fluid and ion transport in the rat. <i>Peptides</i> , 1987, 8, 1029-1033.	1.2	11
72	Actions of gastrin-releasing peptide and related mammalian and amphibian peptides on ion transport in the porcine proximal jejunum. <i>Regulatory Peptides</i> , 1988, 23, 1-14.	1.9	11

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73	Norepinephrine potentiates proinflammatory responses of human vaginal epithelial cells. <i>Journal of Neuroimmunology</i> , 2013, 259, 8-16.	1.1	11
74	Characterization of Specific Opioid Binding Sites in Neural Membranes from the Myenteric Plexus of Porcine Small Intestine. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 308, 385-393.	1.3	10
75	Importance of the RpoE Regulon in Maintaining the Lipid Bilayer during Antimicrobial Treatment with the Polycationic Agent, Chlorhexidine. <i>Proteomics</i> , 2018, 18, 1700285.	1.3	10
76	Opioid Receptor Gene Expression in the Porcine Immune System. <i>Advances in Experimental Medicine and Biology</i> , 1998, 437, 59-65.	0.8	10
77	Neurotensin-related peptides inhibit spontaneous longitudinal contractions of porcine distal jejunum. <i>Peptides</i> , 1990, 11, 713-718.	1.2	9
78	$\hat{\mu}$ -opioid receptors inhibit neurogenic intestinal secretion evoked by mast cell degranulation and type I hypersensitivity. <i>Journal of Neuroimmunology</i> , 2001, 112, 89-96.	1.1	9
79	Active bicarbonate-dependent secretion evoked by 5-hydroxytryptamine in porcine ileal mucosa is mediated by opioid-sensitive enteric neurons. <i>European Journal of Pharmacology</i> , 2002, 451, 185-190.	1.7	9
80	Increased delayed type hypersensitivity in rats subjected to unilateral mononeuropathy is mediated by neurokinin-1 receptors. <i>Journal of Neuroimmunology</i> , 1996, 65, 119-124.	1.1	8
81	Morphine Attenuates Apically-Directed Cytokine Secretion from Intestinal Epithelial Cells in Response to Enteric Pathogens. <i>Pathogens</i> , 2014, 3, 249-257.	1.2	8
82	The use and misuse of quaternary ammonium opiate antagonists. <i>Trends in Pharmacological Sciences</i> , 1985, 6, 394-395.	4.0	6
83	Mapping of the gene encoding the $\hat{\mu}$ -subunit of H ⁺ ,K ⁺ -ATPase to human chromosome 13q34 by fluorescence in situ hybridization. <i>Genomics</i> , 1992, 14, 1114-1115.	1.3	6
84	Cannabinoids throw up a conundrum. <i>British Journal of Pharmacology</i> , 2002, 137, 575-577.	2.7	6
85	Mediation of neurogenic ion transport by acetylcholine, prostanoids and 5-hydroxytryptamine in porcine ileum. <i>European Journal of Pharmacology</i> , 2005, 519, 285-289.	1.7	6
86	Catecholamine-Directed Epithelial Cell Interactions with Bacteria in the Intestinal Mucosa. <i>Advances in Experimental Medicine and Biology</i> , 2016, 874, 79-99.	0.8	6
87	IV. Receptor regulation of ion transport in the intestinal epithelium. <i>Life Sciences</i> , 1988, 43, 2193-2201.	2.0	5
88	The Ussing Chamber and Measurement of Drug Actions on Mucosal Ion Transport. <i>Current Protocols in Pharmacology</i> , 2008, 41, Unit 7.12.	4.0	5
89	Angiotensins promote fluid absorption in the rat ileum after their CNS administration. <i>Peptides</i> , 1989, 10, 245-247.	1.2	4
90	Selective hyperresponsiveness to ovalbumin-induced epithelial transport in inflamed guinea pig distal colon. <i>Inflammation</i> , 1993, 17, 687-703.	1.7	3

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91	Pharmacological characterization of a 7-benzylidenenaltrexone-preferring opioid receptor in porcine ileal submucosa. <i>British Journal of Pharmacology</i> , 2003, 140, 691-700.	2.7	3
92	Characterization of specific $\hat{\nu}$ -opioid binding sites in the distal small intestine of swine. <i>European Journal of Pharmacology</i> , 2003, 482, 111-116.	1.7	2
93	The Pharmacological Modification of Secretory Responses. <i>Novartis Foundation Symposium</i> , 1985, 112, 155-174.	1.2	2
94	Potentiation of anaphylaxis in guinea pig ileal mucosa by a selective $\hat{\nu}$ -opioid receptor agonist. <i>European Journal of Pharmacology</i> , 1999, 379, 81-85.	1.7	1
95	Pharmaconeuroimmunology in the Intestinal Tract: Opioid and Cannabinoid Receptors, Enteric Neurons and Mucosal Defense. <i>Advances in Experimental Medicine and Biology</i> , 2002, 493, 197-205.	0.8	1
96	Interactions Between Bacteria and the Gut Mucosa: Do Enteric Neurotransmitters Acting on the Mucosal Epithelium Influence Intestinal Colonization or Infection?. , 2010, , 89-109.		1
97	Delta Opioid Receptors in the Gastrointestinal Tract. , 2003, , .		0