

# Jiri Pacha

## List of Publications by Year in descending order

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88  
papers

2,171  
citations

279798

23  
h-index

254184

43  
g-index

88  
all docs

88  
docs citations

88  
times ranked

2622  
citing authors

#	ARTICLE	IF	CITATIONS
1	Circadian regulation of transporter expression and implications for drug disposition. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2021, 17, 425-439.	3.3	10
2	Intestinal sodium/glucose cotransporter 3 expression is epithelial and downregulated in obesity. <i>Life Sciences</i> , 2021, 267, 118974.	4.3	9
3	The Gut Microbiota Affects Corticosterone Production in the Murine Small Intestine. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4229.	4.1	15
4	Effects of aging and tumorigenesis on coupling between the circadian clock and cell cycle in colonic mucosa. <i>Mechanisms of Ageing and Development</i> , 2020, 190, 111317.	4.6	2
5	The role of the microbiome and psychosocial stress in the expression and activity of drug metabolizing enzymes in mice. <i>Scientific Reports</i> , 2020, 10, 8529.	3.3	11
6	Diurnal expression of ABC and SLC transporters in jejunum is modulated by adrenalectomy. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 226, 108607.	2.6	10
7	Interactions Between Gut Microbiota and Acute Restraint Stress in Peripheral Structures of the Hypothalamicâ€“Pituitaryâ€“Adrenal Axis and the Intestine of Male Mice. <i>Frontiers in Immunology</i> , 2019, 10, 2655.	4.8	43
8	Microbiota affects the expression of genes involved in HPA axis regulation and local metabolism of glucocorticoids in chronic psychosocial stress. <i>Brain, Behavior, and Immunity</i> , 2018, 73, 615-624.	4.1	76
9	Social defeat stimulates local glucocorticoid regeneration in lymphoid organs. <i>Endocrine Connections</i> , 2018, 7, 1389-1396.	1.9	3
10	Intestinal Sodium Glucose Transporter 3 (SGLT3) is Downregulated in Experimental Models of Obesity and in Morbidly Obese Patients. <i>FASEB Journal</i> , 2018, 32, 670.46.	0.5	0
11	Inflammation regulates 11Î²-hydroxysteroid dehydrogenase type 1 differentially in specific compartments of the gut mucosal immune system. <i>Steroids</i> , 2017, 126, 66-73.	1.8	3
12	Mechanisms of hormonal regulation of the peripheral circadian clock in the colon. <i>Chronobiology International</i> , 2017, 34, 1-16.	2.0	22
13	Peripheral circadian clocks are diversely affected by adrenalectomy. <i>Chronobiology International</i> , 2016, 33, 520-529.	2.0	28
14	Deregulation of peripheral circadian clock in murine colorectal tumor deregulates the genes of cell cycle and proliferation. <i>European Journal of Cancer</i> , 2016, 61, S58.	2.8	0
15	Differential impact of stress on hypothalamicâ€“pituitaryâ€“adrenal axis: Gene expression changes in Lewis and Fisher rats. <i>Psychoneuroendocrinology</i> , 2015, 53, 49-59.	2.7	22
16	Proteomic analysis of chicken eggshell cuticle membrane layer. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 7633-7640.	3.7	30
17	Development and entrainment of the colonic circadian clock during ontogenesis. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, G346-G356.	3.4	28
18	159: 11beta-hydroxysteroid dehydrogenase in human colon and colonic tumors. <i>European Journal of Cancer</i> , 2014, 50, S35.	2.8	0

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19	Cross-talk between the circadian clock and the cell cycle in cancer. <i>Annals of Medicine</i> , 2014, 46, 221-232.	3.8	114
20	Regulation of 11 $\beta$ -Hydroxysteroid Dehydrogenase Type 1 and 7 $\alpha$ -Hydroxylase CYP7B1 during Social Stress. <i>PLoS ONE</i> , 2014, 9, e89421.	2.5	9
21	Distinct Effect of Stress on 11 $\beta$ -Hydroxysteroid Dehydrogenase Type 1 and Corticosteroid Receptors in Dorsal and Ventral Hippocampus. <i>Physiological Research</i> , 2014, 63, 255-261.	0.9	7
22	Expression of 11 $\beta$ -hydroxysteroid dehydrogenase type 2 is deregulated in colon carcinoma. <i>Histology and Histopathology</i> , 2014, 29, 489-96.	0.7	0
23	Circadian regulation of epithelial functions in the intestine. <i>Acta Physiologica</i> , 2013, 208, 11-24.	3.8	54
24	An association between clock genes and clock-controlled cell cycle genes in murine colorectal tumors. <i>International Journal of Cancer</i> , 2013, 132, 1032-1041.	5.1	54
25	Hepatic, Duodenal, and Colonic Circadian Clocks Differ in their Persistence under Conditions of Constant Light and in their Entrainment by Restricted Feeding. <i>Chronobiology International</i> , 2011, 28, 204-215.	2.0	75
26	Upregulation of 11 $\beta$ -hydroxysteroid dehydrogenase 1 in lymphoid organs during inflammation in the rat. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2011, 126, 19-25.	2.5	23
27	Peroxisome proliferator-activated receptor- $\delta$ stimulates 11 $\beta$ -hydroxysteroid dehydrogenase type 1 in rat vascular smooth muscle cells. <i>Steroids</i> , 2011, 76, 577-581.	1.8	6
28	Local metabolism of glucocorticoids in Prague hereditary hypertriglyceridemic rats – Effect of hypertriglyceridemia and gender. <i>Steroids</i> , 2011, 76, 1252-1259.	1.8	1
29	Circadian regulation of electrolyte absorption in the rat colon. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 301, G1066-G1074.	3.4	50
30	Enhanced expression of proliferative and antiapoptotic genes in ulcerative colitis-associated neoplasia. <i>Inflammatory Bowel Diseases</i> , 2010, 16, 1127-1137.	1.9	12
31	Expression profiles of proliferative and antiapoptotic genes in sporadic and colitis-related mouse colon cancer models. <i>International Journal of Experimental Pathology</i> , 2010, 91, 44-53.	1.3	14
32	Local metabolism of glucocorticoids and its role in rat adjuvant arthritis. <i>Molecular and Cellular Endocrinology</i> , 2010, 323, 155-160.	3.2	27
33	Chronic Intermittent Hypoxia Induces 11 $\beta$ -Hydroxysteroid Dehydrogenase in Rat Heart. <i>Endocrinology</i> , 2009, 150, 4270-4277.	2.8	27
34	Dexamethasone and betamethasone administration during pregnancy affects expression and function of 11 $\beta$ -hydroxysteroid dehydrogenase type 2 in the rat placenta. <i>Reproductive Toxicology</i> , 2009, 28, 46-51.	2.9	20
35	Temporal Gradient in the Clock Gene and Cell-Cycle Checkpoint Kinase <i>Wee1</i> Expression along the Gut. <i>Chronobiology International</i> , 2009, 26, 607-620.	2.0	51
36	Glucocorticoid Availability in Colonic Inflammation of Rat. <i>Digestive Diseases and Sciences</i> , 2008, 53, 2160-2167.	2.3	18

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37	Melatonin inhibits prostaglandin E <sub>2</sub> - and sodium nitroprusside-induced ion secretion in rat distal colon. <i>European Journal of Pharmacology</i> , 2008, 581, 164-170.	3.5	18
38	Cloning of chicken 11 $\beta$ -hydroxysteroid dehydrogenase type 1 and its tissue distribution. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2008, 111, 217-224.	2.5	12
39	Chicken 11 $\beta$ -hydroxysteroid dehydrogenase type 2: Partial cloning and tissue distribution. <i>Steroids</i> , 2008, 73, 348-355.	1.8	14
40	Reciprocal Changes in Maternal and Fetal Metabolism of Corticosterone in Rat During Gestation. <i>Reproductive Sciences</i> , 2008, 15, 921-931.	2.5	8
41	Insight Into the Circadian Clock Within Rat Colonic Epithelial Cells. <i>Gastroenterology</i> , 2007, 133, 1240-1249.	1.3	131
42	11 $\beta$ -hydroxysteroid dehydrogenase 1 and 2 expression in colon from patients with ulcerative colitis. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2007, 22, 1019-1023.	2.8	39
43	Heterogeneous expression of melatonin receptor MT1 mRNA in the rat intestine under control and fasting conditions. <i>Journal of Pineal Research</i> , 2006, 41, 183-188.	7.4	30
44	Corticosterone metabolism in chicken tissues: Evidence for tissue-specific distribution of steroid dehydrogenases. <i>General and Comparative Endocrinology</i> , 2006, 147, 377-383.	1.8	25
45	Corticosterone Transfer and Metabolism in the Dually Perfused Rat Placenta: Effect of 11 $\beta$ -hydroxysteroid Dehydrogenase Type 2. <i>Placenta</i> , 2006, 27, 171-180.	1.5	40
46	Cloning and expression of chicken 20-hydroxysteroid dehydrogenase. <i>Journal of Molecular Endocrinology</i> , 2006, 37, 453-462.	2.5	18
47	Intestinal inflammation modulates expression of 11 $\beta$ -hydroxysteroid dehydrogenase in murine gut. <i>Journal of Endocrinology</i> , 2006, 191, 497-503.	2.6	14
48	Age-dependent effect of secretagogues during colonic maturation. <i>European Journal of Pharmacology</i> , 2005, 516, 268-275.	3.5	0
49	Glucocorticoid metabolism and Na <sup>+</sup> -transport in chicken intestine. <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2005, 303A, 113-122.	1.3	13
50	11 $\beta$ -Hydroxysteroid dehydrogenase in the heart of normotensive and hypertensive rats. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2005, 94, 273-277.	2.5	11
51	Application of liquid chromatography-electrospray ionization mass spectrometry for study of steroid-converting enzymes. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 800, 145-153.	2.3	13
52	Colitis up-regulates local glucocorticoid activation and down-regulates inactivation in colonic tissue. <i>Scandinavian Journal of Gastroenterology</i> , 2004, 39, 549-553.	1.5	26
53	Expression of 11 $\beta$ -hydroxysteroid dehydrogenase types 1 and 2 in colorectal cancer. <i>Cancer Letters</i> , 2004, 210, 95-100.	7.2	23
54	Corticosteroid effect on Caco-2 cell lipids depends on cell differentiation. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2003, 87, 157-165.	2.5	11

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55	Placental 11 $\beta$ -hydroxysteroid dehydrogenase in Dahl and spontaneously hypertensive rats. <i>American Journal of Hypertension</i> , 2003, 16, 401-406.	2.0	8
56	Carbenoxolone Accelerates Maturation of Rat Intestine. <i>Pediatric Research</i> , 2003, 53, 808-813.	2.3	13
57	Membrane Properties of Rat Colonic Crypts During Early Postnatal Development. <i>Cellular Physiology and Biochemistry</i> , 2003, 13, 385-390.	1.6	4
58	Sexual Dimorphism of 11 $\beta$ -Hydroxysteroid Dehydrogenase in Hypertensive and Normotensive Rats. <i>Hypertension Research</i> , 2003, 26, 333-338.	2.7	3
59	Effect of cellular differentiation on 11 $\beta$ -hydroxysteroid dehydrogenase activity in the intestine. <i>Steroids</i> , 2002, 67, 119-126.	1.8	13
60	Apical ouabain-sensitive and ouabain-insensitive ATPases in rat colonic epithelium. <i>Acta Histochemica</i> , 2002, 104, 407-411.	1.8	0
61	Intracellular pH regulation in colonocytes of rat proximal colon. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2001, 1536, 103-115.	3.8	6
62	Development of Intestinal Transport Function in Mammals. <i>Physiological Reviews</i> , 2000, 80, 1633-1667.	28.8	334
63	Permissive effect of thyroid hormones on induction of rat colonic Na <sup>+</sup> transport by aldosterone is not localised at the level of Na <sup>+</sup> channel transcription. <i>Molecular and Cellular Endocrinology</i> , 2000, 159, 179-185.	3.2	2
64	11 $\beta$ -hydroxysteroid dehydrogenase activity in spontaneously hypertensive and Dahl rats. <i>American Journal of Hypertension</i> , 2000, 13, 927-933.	2.0	8
65	Aldosterone alters the phospholipid composition of rat colonocytes. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2000, 73, 11-17.	2.5	6
66	Separation and identification of corticosterone metabolites by liquid chromatography-electrospray ionization mass spectrometry. <i>Biomedical Applications</i> , 1999, 726, 59-69.	1.7	20
67	Metabolism of Corticosterone in Mammalian and Avian Intestine. <i>General and Comparative Endocrinology</i> , 1998, 109, 315-324.	1.8	31
68	SODIUM BALANCE AND JEJUNAL ION AND WATER ABSORPTION IN DAHL SALT-SENSITIVE AND SALT-RESISTANT RATS. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1998, 25, 220-224.	1.9	8
69	Localization of Na,K-ATPase activity in developing rat distal colon: role of corticosteroids. <i>Mechanisms of Ageing and Development</i> , 1998, 101, 129-143.	4.6	12
70	The role of 11 $\beta$ -hydroxysteroid dehydrogenase in maturation of the intestine. <i>Mechanisms of Ageing and Development</i> , 1997, 98, 139-150.	4.6	4
71	Hormonal regulation of intestinal 11 $\beta$ -hydroxysteroid dehydrogenase. <i>Life Sciences</i> , 1997, 61, 2391-2396.	4.3	10
72	Ontogeny of Na <sup>+</sup> Transport in Rat Colon. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1997, 118, 209-210.	0.6	3

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73	Correlation of function and structure in developing rat distal colon. <i>Cell and Tissue Research</i> , 1997, 288, 95-99.	2.9	7
74	Low-protein diet decreases intestinal Na,K-ATPase. <i>Nutrition Research</i> , 1996, 16, 991-998.	2.9	2
75	Hypothyroidism affects the expression of electrogenic amiloride-sensitive sodium transport in rat colon. <i>Gastroenterology</i> , 1996, 111, 1551-1557.	1.3	8
76	11 $\beta$ -Hydroxysteroid dehydrogenase in developing rat intestine. <i>Journal of Endocrinology</i> , 1996, 148, 561-566.	2.6	24
77	Corticosteroid induction of renal and intestinal K <sup>+</sup> -dependent p-nitrophenylphosphatase in young and adult rats. <i>The Histochemical Journal</i> , 1996, 28, 625-634.	0.6	2
78	Relationship between dietary Na <sup>+</sup> intake, aldosterone and colonic amiloride-sensitive Na <sup>+</sup> transport. <i>British Journal of Nutrition</i> , 1995, 73, 633-640.	2.3	18
79	Regulation of Amiloride-Sensitive Na <sup>+</sup> Transport in Immature Rat Distal Colon by Aldosterone. <i>Pediatric Research</i> , 1995, 38, 356-360.	2.3	19
80	Distribution of 11 $\beta$ -hydroxysteroid dehydrogenase along the rat intestine. <i>Life Sciences</i> , 1994, 54, 745-749.	4.3	20
81	The influence of high salt intake on intestinal Na,K-ATPase in Wistar and Dahl rats. <i>Acta Physiologica Scandinavica</i> , 1993, 148, 69-75.	2.2	7
82	Regulation of Na channels of the rat cortical collecting tubule by aldosterone. <i>Journal of General Physiology</i> , 1993, 102, 25-42.	1.9	199
83	Identification of apamin binding sites in rat intestinal mucosa. <i>Life Sciences</i> , 1992, 51, 423-429.	4.3	2
84	Na, K-ATPase and the development of Na <sup>+</sup> transport in rat distal colon. <i>Journal of Membrane Biology</i> , 1991, 120, 201-210.	2.1	19
85	Amiloride-sensitive sodium transport of the rat distal colon during early postnatal development. <i>Pflügers Archiv European Journal of Physiology</i> , 1987, 409, 194-199.	2.8	18
86	Potassium secretion by neonatal rat distal colon. <i>Pflügers Archiv European Journal of Physiology</i> , 1987, 410, 362-368.	2.8	14
87	Lymphatic transport rate of noradrenaline during adrenergic thermogenesis. <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1986, 83, 161-164.	0.2	0
88	Thermogenesis due to noradrenaline in muscles under different rates of perfusion. <i>Pflügers Archiv European Journal of Physiology</i> , 1983, 397, 149-151.	2.8	7