

# James R Mcfarlane

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9302375/publications.pdf>

Version: 2024-02-01

101  
papers

2,962  
citations

126708

33  
h-index

189595

50  
g-index

102  
all docs

102  
docs citations

102  
times ranked

3715  
citing authors

#	ARTICLE	IF	CITATIONS
1	Isometric exercise training for blood pressure management: a systematic review and meta-analysis to optimize benefit. <i>Hypertension Research</i> , 2016, 39, 88-94.	1.5	175
2	Clinical Outcomes and Cardiovascular Responses to Different Exercise Training Intensities in Patients With Heart Failure. <i>JACC: Heart Failure</i> , 2013, 1, 514-522.	1.9	144
3	Serum activin A and follistatin concentrations during human pregnancy: a cross-sectional and longitudinal study. <i>Human Reproduction</i> , 1999, 14, 827-832.	0.4	112
4	Evidence for an Interaction between CB1 Cannabinoid and Melanocortin MCR-4 Receptors in Regulating Food Intake. <i>Endocrinology</i> , 2004, 145, 3224-3231.	1.4	102
5	Effect of exercise training on liver function in adults who are overweight or exhibit fatty liver disease: a systematic review and meta-analysis. <i>British Journal of Sports Medicine</i> , 2018, 52, 834-843.	3.1	85
6	Stress-linked cortisol concentrations in hair: what we know and what we need to know. <i>Reviews in the Neurosciences</i> , 2012, 23, 111-121.	1.4	79
7	Leptin alters the structural and functional characteristics of adipose tissue before birth. <i>FASEB Journal</i> , 2003, 17, 1102-1104.	0.2	77
8	Effect of lifestyle intervention on the reproductive endocrine profile in women with polycystic ovarian syndrome: a systematic review and meta-analysis. <i>Endocrine Connections</i> , 2014, 3, 36-46.	0.8	77
9	Impact of glucose infusion on the structural and functional characteristics of adipose tissue and on hypothalamic gene expression for appetite regulatory neuropeptides in the sheep fetus during late gestation. <i>Journal of Physiology</i> , 2005, 565, 185-195.	1.3	69
10	Identification of a rat testis-specific gene encoding a potential rat outer dense fibre protein. <i>Molecular Reproduction and Development</i> , 1998, 50, 313-322.	1.0	66
11	Adrenaline, insulin and glucagon do not have acute effects on plasma leptin levels in sheep: development and characterisation of an ovine leptin ELISA. <i>Journal of Endocrinology</i> , 2000, 166, 127-135.	1.2	65
12	Fetal Leptin Is a Signal of Fat Mass Independent of Maternal Nutrition in Ewes Fed at or above Maintenance Energy Requirements <sup>1</sup> . <i>Biology of Reproduction</i> , 2002, 67, 493-499.	1.2	61
13	HPA and SAM axis responses as correlates of self- vs parental ratings of anxiety in boys with an Autistic Disorder. <i>Physiology and Behavior</i> , 2014, 127, 1-7.	1.0	61
14	Localization of follistatin in the rat testis. <i>Reproduction</i> , 1998, 112, 233-241.	1.1	59
15	Functional integrity of granulosa cells from polycystic ovaries. <i>Clinical Endocrinology</i> , 1996, 44, 571-580.	1.2	58
16	Evidence for an interaction between CB1 cannabinoid and oxytocin receptors in food and water intake. <i>Neuropharmacology</i> , 2004, 47, 593-603.	2.0	58
17	Circulating Leptin Concentrations Are Positively Related to Leptin Messenger RNA Expression in the Adipose Tissue of Fetal Sheep in the Pregnant Ewe Fed at or Below Maintenance Energy Requirements During Late Gestation <sup>1</sup> . <i>Biology of Reproduction</i> , 2002, 67, 911-916.	1.2	53
18	Cortisol levels in hair reflect behavioural reactivity of dogs to acoustic stimuli. <i>Research in Veterinary Science</i> , 2013, 94, 49-54.	0.9	52

#	ARTICLE	IF	CITATIONS
19	Flow cytometric analysis of FSHR, BMRR1B, LHR and apoptosis in granulosa cells and ovulation rate in merino sheep. <i>Reproduction</i> , 2015, 150, 151-163.	1.1	50
20	Exercise training program characteristics and magnitude of change in functional capacity of heart failure patients. <i>International Journal of Cardiology</i> , 2014, 171, 62-65.	0.8	49
21	Follistatin concentrations in male sheep increase following sham castration/castration or injection of interleukin-1 $\beta$ . <i>Journal of Endocrinology</i> , 1996, 151, 119-124.	1.2	48
22	Intrauterine Growth Restriction and the Sex Specific Programming of Leptin and Peroxisome Proliferator-Activated Receptor $\beta$ (PPAR $\beta$ ) mRNA Expression in Visceral Fat in the Lamb. <i>Pediatric Research</i> , 2009, 66, 59-65.	1.1	48
23	The efficacy of isometric resistance training utilizing handgrip exercise for blood pressure management. <i>Medicine (United States)</i> , 2016, 95, e5791.	0.4	47
24	Determinants of Fetal Leptin Synthesis, Fat Mass, and Circulating Leptin Concentrations in Well-Nourished Ewes in Late Pregnancy. <i>Endocrinology</i> , 2003, 144, 4947-4954.	1.4	46
25	Activin maintains the condensed type of mitochondria in germ cells. <i>Molecular and Cellular Endocrinology</i> , 2000, 168, 111-117.	1.6	45
26	Measurement of activin in biological fluids by radioimmunoassay, utilizing dissociating agents to remove the interference of follistatin. <i>European Journal of Endocrinology</i> , 1996, 134, 481-489.	1.9	42
27	Ontogeny of leptin and its receptor expression in mouse testis during the postnatal period. <i>Molecular Reproduction and Development</i> , 2008, 75, 874-880.	1.0	39
28	The Effect of Lifestyle Intervention on Body Composition, Glycemic Control, and Cardiorespiratory Fitness in Polycystic Ovarian Syndrome: A Systematic Review and Meta-Analysis. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2015, 25, 533-540.	1.0	39
29	Expression of activin $\beta$ C subunit mRNA in reproductive tissues. <i>Journal of Molecular Endocrinology</i> , 1996, 17, 61-65.	1.1	38
30	Effects of Leptin on Fetal Plasma Adrenocorticotrophic Hormone and Cortisol Concentrations and the Timing of Parturition in the Sheep <sup>1</sup> . <i>Biology of Reproduction</i> , 2004, 70, 1650-1657.	1.2	37
31	Impact of periconceptual nutrition on maternal and fetal leptin and fetal adiposity in singleton and twin pregnancies. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 288, R39-R45.	0.9	36
32	Leptin has concentration and stage-dependent effects on embryonic development in vitro. <i>Reproduction</i> , 2006, 132, 247-256.	1.1	35
33	An aqueous extract of <i>Curcuma longa</i> (turmeric) rhizomes stimulates insulin release and mimics insulin action on tissues involved in glucose homeostasis <i>in vitro</i> . <i>Phytotherapy Research</i> , 2011, 25, 396-401.	2.8	35
34	Low ambient temperature elevates plasma triiodothyronine concentrations while reducing digesta mean retention time and methane yield in sheep. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2015, 99, 483-491.	1.0	35
35	Microtubule-associated protein-2 in the rat testis: a novel site of expression. <i>Biology of Reproduction</i> , 1996, 54, 896-904.	1.2	33
36	Developmental response by Leydig cells to acidic and basic fibroblast growth factor. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1997, 60, 171-179.	1.2	31

#	ARTICLE	IF	CITATIONS
37	Inhibin-related proteins in rat prostate. <i>Journal of Endocrinology</i> , 1996, 149, 93-99.	1.2	30
38	Inhibin, activin and follistatin bind preferentially to the transformed species of alpha 2-macroglobulin. <i>Journal of Endocrinology</i> , 1997, 155, 65-71.	1.2	30
39	Uterine Milk Protein, a Novel Activin-Binding Protein, Is Present in Ovine Allantoic Fluid <sup>1</sup> . <i>Endocrinology</i> , 1999, 140, 4745-4752.	1.4	29
40	Dynamic expression of bone morphogenetic protein 4 in reproductive organs of female mice. <i>Reproduction</i> , 2011, 142, 573-579.	1.1	27
41	The relationship between positive psychological characteristics and longer telomeres. <i>Psychology and Health</i> , 2016, 31, 1466-1480.	1.2	27
42	Testosterone and androstenedione profiles in the blood of domestic tom-cats. <i>Animal Reproduction Science</i> , 1984, 7, 363-375.	0.5	26
43	In vivo evidence of role of bone morphogenetic protein-4 in the mouse ovary. <i>Animal Reproduction Science</i> , 2008, 106, 232-240.	0.5	26
44	Hormonal changes, semen quality and variance in reproductive activity outcomes of post pubertal rabbits fed <i>Moringa oleifera</i> Lam. leaf powder. <i>Journal of Ethnopharmacology</i> , 2019, 233, 80-86.	2.0	24
45	Postnatal Expression of Bone Morphogenetic Proteins and Their Receptors in the Mouse Testis. <i>Physiological Research</i> , 2016, 65, 673-682.	0.4	22
46	Triiodothyronine influences digesta kinetics and methane yield in sheep. <i>Animal Production Science</i> , 2012, 52, 572.	0.6	21
47	Effect of passive immunization against leptin on ovarian follicular development in prepubertal mice. <i>Journal of Reproductive Immunology</i> , 2012, 96, 19-24.	0.8	21
48	Hair cortisol concentration differs across site and person: localization and consistency of responses to a brief pain stressor. <i>Physiological Research</i> , 2010, 59, 979-983.	0.4	21
49	Hair cortisol and cortisone as markers of stress in Indigenous and non-Indigenous young adults. <i>Stress</i> , 2019, 22, 210-220.	0.8	20
50	Inhibin and follistatin concentrations in fetal tissues and fluids during gestation in sheep: evidence for activin in amniotic fluid. <i>Journal of Endocrinology</i> , 1994, 141, 219-229.	1.2	18
51	Isolation and characterization of human and rabbit sperm tail fibrous sheath. <i>Molecular Human Reproduction</i> , 1997, 3, 307-313.	1.3	18
52	Concentrations of Progesterone, Follistatin, and Follicle-Stimulating Hormone in Peripheral Plasma Across the Estrous Cycle and Pregnancy in Merino Ewes That Are Homozygous or Noncarriers of the Booroola Gene <sup>1</sup> . <i>Biology of Reproduction</i> , 2003, 69, 1079-1084.	1.2	18
53	An Investigation of Hair Cortisol Concentration across Body Sites and within Hair shaft. <i>Clinical Medicine Insights: Endocrinology and Diabetes</i> , 2010, 3, CMED.S4465.	1.0	18
54	Leptin inhibits basal but not gonadotrophin-stimulated testosterone production in the immature mouse and sheep testis. <i>Reproduction, Fertility and Development</i> , 2008, 20, 519.	0.1	17

#	ARTICLE	IF	CITATIONS
55	Biological determinants of depression following bereavement. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 49, 171-181.	2.9	17
56	Requirement for heparan sulphate proteoglycans to mediate basic fibroblast growth factor (FGF-2)-induced stimulation of Leydig cell steroidogenesis. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1995, 54, 245-250.	1.2	16
57	Follistatin serum concentrations during full-term labour in women – significant differences between spontaneous and induced labour. <i>Reproduction</i> , 2007, 134, 705-711.	1.1	16
58	Ovarian follicle development in Booroola sheep exhibiting impaired bone morphogenetic protein signalling pathway. <i>Reproduction</i> , 2009, 138, 689-696.	1.1	15
59	The effect of dietary protein intake on factors associated with male infertility: A systematic literature review and meta-analysis of animal clinical trials in rats. <i>Nutrition and Health</i> , 2020, 26, 53-64.	0.6	15
60	Isolation and partial characterization of rat sperm tail fibrous sheath proteins and comparison with rabbit and human spermatozoa using a polyclonal antiserum. <i>Reproduction</i> , 1995, 104, 107-114.	1.1	14
61	Isolation and characterization of rat sperm tail outer dense fibres and comparison with rabbit and human spermatozoa using a polyclonal antiserum. <i>Reproduction</i> , 1999, 116, 345-353.	1.1	14
62	Evidence that heparin binding autocrine factors modulate testosterone production by the adult rat Leydig cell. <i>Molecular and Cellular Endocrinology</i> , 1996, 118, 57-63.	1.6	13
63	Surgery: Pregnancies after microsurgical correction of partial epididymal and vasal obstruction. <i>Human Reproduction</i> , 1995, 10, 1152-1155.	0.4	11
64	Sexual differentiation of oestradiol-LH positive feedback in a marsupial. <i>Reproduction</i> , 1999, 115, 269-274.	1.1	11
65	An Exploratory Study Into the Effectiveness of a Combination of Traditional Chinese Herbs in the Management of Type 2 Diabetes. <i>Diabetes Care</i> , 2006, 29, 945-946.	4.3	11
66	Insulintrophic and insulin-like effects of a high molecular weight aqueous extract of <i>Pterocarpus marsupium</i> Roxb. hardwood. <i>Journal of Ethnopharmacology</i> , 2012, 141, 72-79.	2.0	11
67	Application of Testis Germ Cell Transplantation in Breeding Systems of Food Producing Species: A Review. <i>Animal Biotechnology</i> , 2013, 24, 293-306.	0.7	11
68	Blood pressure measurements in research. <i>Blood Pressure Monitoring</i> , 2019, 24, 18-23.	0.4	11
69	Implication of inhibin and related proteins in fetal development. <i>Reproduction, Fertility and Development</i> , 1995, 7, 323.	0.1	10
70	Association of plasma metabolites and hormones with the growth and composition of lambs as affected by nutrition and sire genetics. <i>Australian Journal of Agricultural Research</i> , 2006, 57, 683.	1.5	10
71	Isolation and partial characterization of tammar wallaby luteinizing hormone and development of a radioimmunoassay. <i>Reproduction, Fertility and Development</i> , 1997, 9, 475.	0.1	10
72	Zebra Chorionic Gonadotropin: Partial Purification and Characterization1. <i>Biology of Reproduction</i> , 1991, 44, 827-833.	1.2	9

#	ARTICLE	IF	CITATIONS
73	Ovine Allantoic Fluid Contains High Concentrations of Activin A: Partial Dissociation of Immunoactivity and Bioactivity <sup>1</sup> . <i>Biology of Reproduction</i> , 1998, 59, 233-240.	1.2	9
74	Follistatin concentrations in maternal and fetal fluids during the oestrous cycle, gestation and parturition in Merino sheep. <i>Reproduction</i> , 2002, 124, 259-265.	1.1	9
75	Diurnal Variation in Peripheral (Hair) vs Central (Saliva) HPA Axis Cortisol Concentrations. <i>Clinical Medicine Insights: Endocrinology and Diabetes</i> , 2010, 3, CMED.S4350.	1.0	9
76	Is Exercise Training Beneficial for Heart Failure Patients Taking $\beta$ -Adrenergic Blockers? A Systematic Review and Meta-Analysis. <i>Congestive Heart Failure</i> , 2013, 19, 61-69.	2.0	9
77	Multiple factors with steroidogenesis-regulating activity in testicular intertubular fluid from normal and experimentally cryptorchid adult rats. <i>Steroids</i> , 1994, 59, 676-685.	0.8	8
78	Fingernail cortisol as a marker of chronic stress exposure in Indigenous and non-Indigenous young adults. <i>Stress</i> , 2020, 23, 298-307.	0.8	8
79	Can the sensitivity of the histopathological diagnosis of coeliac disease be increased and can treatment progression be monitored using mathematical modelling of histological sections? â€œ A pilot study. <i>Advances in Medical Sciences</i> , 2017, 62, 136-142.	0.9	7
80	Measurement of Autoantibodies Against Fibrinogen and Fibrin Degradation Products by Enzyme-Linked Immunoassay. <i>Thrombosis and Haemostasis</i> , 1985, 53, 080-085.	1.8	7
81	Partial Purification and Characterization of Rhinoceros Gonadotropins, Growth Hormone, and Prolactin: Comparison with the Horse and Sheep <sup>1</sup> . <i>Biology of Reproduction</i> , 1991, 44, 94-101.	1.2	6
82	Source of Inhibin in Ovine Fetal Plasma and Amniotic Fluid during Late Gestation: Half-Life of Fetal Inhibin <sup>1</sup> . <i>Biology of Reproduction</i> , 1997, 57, 347-353.	1.2	6
83	Changes in Ovarian Follistatin Levels During the Oestrous Cycle in Sheep may Serve as an Intraovarian Regulator. <i>Reproduction in Domestic Animals</i> , 2010, 45, 509-515.	0.6	6
84	Biological and Immunoactive Substances Resembling Chorionic Gonadotropin are Present in Full-Term Horse and Zebra Placentas <sup>1</sup> . <i>Biology of Reproduction</i> , 1991, 45, 343-349.	1.2	5
85	Pituitary content of luteinizing hormone reveals species differences in the reproductive synchrony between males and females in Australian flying-foxes (genus <i>Pteropus</i> ). <i>Reproduction, Fertility and Development</i> , 2003, 15, 255.	0.1	5
86	Stimulatory and inhibitory factors of Leydig cell steroidogenesis are secreted simultaneously by the rat seminiferous tubules and do not affect Leydig cell inhibin production in vitro. <i>Reproduction, Fertility and Development</i> , 1994, 6, 693.	0.1	4
87	Changes in concentrations of follistatin in maternal plasma and foetal fluids during pregnancy and parturition in sheep. <i>Animal Reproduction Science</i> , 2009, 114, 148-156.	0.5	4
88	Leptin pharmacokinetics in male mice. <i>Endocrine Connections</i> , 2017, 6, 20-26.	0.8	4
89	A low protein maternal diet during gestation has negative effects on male fertility markers in rats â€œ A Systematic Review and Meta-Analysis. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2021, 105, 157-166.	1.0	4
90	Pharmacokinetics of Leptin in Female Mice. <i>Physiological Research</i> , 2016, 65, 311-320.	0.4	4

#	ARTICLE	IF	CITATIONS
91	Elephant pituitary gonadotropins. <i>General and Comparative Endocrinology</i> , 1990, 79, 193-200.	0.8	3
92	Effect of methionine feeding on oxidative stress, intracellular calcium and contractility in cardiomyocytes isolated from male and female rats. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 2039-2045.	1.4	3
93	Mid- and late-pregnancy ewe shearing affects lamb neonatal reactivity and vigour. <i>Applied Animal Behaviour Science</i> , 2020, 231, 105065.	0.8	2
94	Erythrocyte metabolism in foetal sheep. <i>Small Ruminant Research</i> , 1999, 34, 27-31.	0.6	1
95	Development of reelin biomarkers to measure psychological resilience and their interaction with 5-HTTLPR in depression. <i>Advances in Mental Health</i> , 2015, 13, 7-17.	0.3	1
96	Effect of low- and high-protein maternal diets during gestation on reproductive outcomes in the rat: a systematic review and meta-analysis. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	1
97	A comparison of a single genetic factor, two stress factors, and one psychosocial coping factor as predictors of depression in an Australian community sample.. <i>Archives of Psychiatry and Psychotherapy</i> , 2014, 16, 15-26.	0.2	1
98	Stimulation of PAI-1 in rabbit anti-GBM glomerulonephritis. <i>Nephrology</i> , 1998, 4, 65-74.	0.7	0
99	Isometric Handgrip Exercise to Reduce Hypertension for Stroke Prevention and Recovery. <i>Archives of Physical Medicine and Rehabilitation</i> , 2015, 96, e25.	0.5	0
100	Follicular fluid leptin as a marker for pregnancy outcomes in women undergoing IVF treatment: a systematic review and meta-analysis. <i>Human Fertility</i> , 2020, , 1-10.	0.7	0
101	Inhibin, Activin, and Follistatin: Observations on Their Role in the Physiology of Pregnancy. , 1997, , 85-95.		0