

Linus R Shao

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

3,354
citations

117571

34
h-index

168321

53
g-index

95
all docs

95
docs citations

95
times ranked

4164
citing authors

#	ARTICLE	IF	CITATIONS
1	Overactivation of the androgen receptor exacerbates gravid uterine ferroptosis <i>via</i> interaction with and suppression of the NRF2 defense signaling pathway. <i>FEBS Letters</i> , 2022, 596, 806-825.	1.3	7
2	Long-term androgen excess induces insulin resistance and non-alcoholic fatty liver disease in PCOS-like rats. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2021, 208, 105829.	1.2	22
3	Increased uterine androgen receptor protein abundance results in implantation and mitochondrial defects in pregnant rats with hyperandrogenism and insulin resistance. <i>Journal of Molecular Medicine</i> , 2021, 99, 1427-1446.	1.7	20
4	TLR4-Associated IRF-7 and NF κ B Signaling Act as a Molecular Link Between Androgen and Metformin Activities and Cytokine Synthesis in the PCOS Endometrium. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e1022-e1040.	1.8	34
5	Suppression of uterine and placental ferroptosis by N-acetylcysteine in a rat model of polycystic ovary syndrome. <i>Molecular Human Reproduction</i> , 2021, 27, .	1.3	25
6	Cranial irradiation alters neuroinflammation and neural proliferation in the pituitary gland and induces late-onset hormone deficiency. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 14571-14582.	1.6	10
7	Alterations of endometrial epithelial-mesenchymal transition and MAPK signalling components in women with PCOS are partially modulated by metformin in vitro. <i>Molecular Human Reproduction</i> , 2020, 26, 312-326.	1.3	23
8	Hyperandrogenism and insulin resistance modulate gravid uterine and placental ferroptosis in PCOS-like rats. <i>Journal of Endocrinology</i> , 2020, 246, 247-263.	1.2	62
9	Perturbed ovarian and uterine glucocorticoid receptor signaling accompanies the balanced regulation of mitochondrial function and NF κ B-mediated inflammation under conditions of hyperandrogenism and insulin resistance. <i>Life Sciences</i> , 2019, 232, 116681.	2.0	16
10	Uterine glycolytic enzyme expression is affected by knockout of different estrogen receptor subtypes. <i>Biomedical Reports</i> , 2019, 11, 135-144.	0.9	5
11	Hyperandrogenism and insulin resistance-induced fetal loss: evidence for placental mitochondrial abnormalities and elevated reactive oxygen species production in pregnant rats that mimic the clinical features of polycystic ovary syndrome. <i>Journal of Physiology</i> , 2019, 597, 3927-3950.	1.3	52
12	Hyperandrogenism and insulin resistance induce gravid uterine defects in association with mitochondrial dysfunction and aberrant reactive oxygen species production. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 316, E794-E809.	1.8	57
13	Diversity of the Gut Microbiota in Dihydrotestosterone-Induced PCOS Rats and the Pharmacologic Effects of Diane-35, Probiotics, and Berberine. <i>Frontiers in Microbiology</i> , 2019, 10, 175.	1.5	56
14	Differential Expression Patterns of Glycolytic Enzymes and Mitochondria-Dependent Apoptosis in PCOS Patients with Endometrial Hyperplasia, an Early Hallmark of Endometrial Cancer, <i>In Vivo</i> and the Impact of Metformin <i>In Vitro</i>. <i>International Journal of Biological Sciences</i> , 2019, 15, 714-725.	2.6	45
15	Cranial Irradiation Induces Hypothalamic Injury and Late-Onset Metabolic Disturbances in Juvenile Female Rats. <i>Developmental Neuroscience</i> , 2018, 40, 120-133.	1.0	12
16	Uterine progesterone signaling is a target for metformin therapy in PCOS-like rats. <i>Journal of Endocrinology</i> , 2018, 237, 123-137.	1.2	32
17	Endogenous Ovarian Angiogenesis in Polycystic Ovary Syndrome-Like Rats Induced by Low-Frequency Electro-Acupuncture: The CLARITY Three-Dimensional Approach. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3500.	1.8	24
18	How to choose the suitable animal model of polycystic ovary syndrome?. <i>Traditional Medicine and Modern Medicine</i> , 2018, 01, 95-113.	0.2	6

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19	Hyperandrogenism and insulin resistance contribute to hepatic steatosis and inflammation in female rat liver. <i>Oncotarget</i> , 2018, 9, 18180-18197.	0.8	27
20	Hypothalamic DNA methylation in rats with dihydrotestosterone-induced polycystic ovary syndrome: effects of low-frequency electroacupuncture. <i>Experimental Physiology</i> , 2018, 103, 1618-1632.	0.9	20
21	Endometrial progesterone receptor isoforms in women with polycystic ovary syndrome. <i>American Journal of Translational Research (discontinued)</i> , 2018, 10, 2696-2705.	0.0	19
22	Circulatory microRNA 23a and microRNA 23b and polycystic ovary syndrome (PCOS): the effects of body mass index and sex hormones in an Eastern Han Chinese population. <i>Journal of Ovarian Research</i> , 2017, 10, 10.	1.3	40
23	Metformin Ameliorates Uterine Defects in a Rat Model of Polycystic Ovary Syndrome. <i>EBioMedicine</i> , 2017, 18, 157-170.	2.7	58
24	Quantitative analysis of hormones and inflammatory cytokines in Chlamydia trachomatis-infected women with tubal ectopic pregnancy and early intrauterine pregnancy. <i>Data in Brief</i> , 2016, 6, 135-142.	0.5	5
25	Molecular characterization of insulin resistance and glycolytic metabolism in the rat uterus. <i>Scientific Reports</i> , 2016, 6, 30679.	1.6	42
26	Mutations in <i>TUBB8</i> and Human Oocyte Meiotic Arrest. <i>New England Journal of Medicine</i> , 2016, 374, 223-232.	13.9	212
27	Regulation of Androgen Receptor Expression Alters AMPK Phosphorylation in the Endometrium: In Vivo and In Vitro Studies in Women with Polycystic Ovary Syndrome. <i>International Journal of Biological Sciences</i> , 2015, 11, 1376-1389.	2.6	39
28	MiRNA-320 in the human follicular fluid is associated with embryo quality in vivo and affects mouse embryonic development in vitro. <i>Scientific Reports</i> , 2015, 5, 8689.	1.6	79
29	Progesterone-mediated effects on gene expression and oocyte-cumulus complex transport in the mouse fallopian tube. <i>Reproductive Biology and Endocrinology</i> , 2015, 13, 40.	1.4	14
30	The Regulation of Nitric Oxide Synthase Isoform Expression in Mouse and Human Fallopian Tubes: Potential Insights for Ectopic Pregnancy. <i>International Journal of Molecular Sciences</i> , 2015, 16, 49-67.	1.8	9
31	Lack of cyclical fluctuations of endometrial GLUT4 expression in women with polycystic ovary syndrome: Evidence for direct regulation of GLUT4 by steroid hormones. <i>BBA Clinical</i> , 2015, 4, 85-91.	4.1	13
32	Inhibition of the Activation and Recruitment of Microglia-Like Cells Protects Against Neomycin-Induced Ototoxicity. <i>Molecular Neurobiology</i> , 2015, 51, 252-267.	1.9	42
33	Reversing the reduced level of endometrial GLUT4 expression in polycystic ovary syndrome: a mechanistic study of metformin action. <i>American Journal of Translational Research (discontinued)</i> , 2015, 7, 574-86.	0.0	36
34	Combination of Diane-35 and Metformin to Treat Early Endometrial Carcinoma in PCOS Women with Insulin Resistance. <i>Journal of Cancer</i> , 2014, 5, 173-181.	1.2	54
35	Pregnancy after allogeneic uterus transplantation in the rat: perinatal outcome and growth trajectory. <i>Fertility and Sterility</i> , 2014, 102, 1545-1552.e1.	0.5	55
36	Endometrial progesterone resistance and PCOS. <i>Journal of Biomedical Science</i> , 2014, 21, 2.	2.6	102

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37	Direct effects of metformin in the endometrium: a hypothetical mechanism for the treatment of women with PCOS and endometrial carcinoma. <i>Journal of Experimental and Clinical Cancer Research</i> , 2014, 33, 41.	3.5	54
38	Promising clinical practices of metformin in women with PCOS and early-stage endometrial cancer. <i>BBA Clinical</i> , 2014, 2, 7-9.	4.1	19
39	The onset of human ectopic pregnancy demonstrates a differential expression of miRNAs and their cognate targets in the Fallopian tube. <i>International Journal of Clinical and Experimental Pathology</i> , 2014, 7, 64-79.	0.5	8
40	The elusive and controversial roles of estrogen and progesterone receptors in human endometriosis. <i>American Journal of Translational Research (discontinued)</i> , 2014, 6, 104-13.	0.0	33
41	PCOS and obesity: insulin resistance might be a common etiology for the development of type I endometrial carcinoma. <i>American Journal of Cancer Research</i> , 2014, 4, 73-9.	1.4	11
42	ecancermedalscience. <i>Ecancermedalscience</i> , 2013, 7, 381.	0.6	27
43	Comparison of the diagnostic values of circulating steroid hormones, VEGF-A, PlGF, and ADAM12 in women with ectopic pregnancy. <i>Journal of Translational Medicine</i> , 2013, 11, 44.	1.8	13
44	Toward Understanding Chlamydia Infectionâ€“Induced Infertility Caused by Dysfunctional Oviducts. <i>Journal of Infectious Diseases</i> , 2013, 208, 707-709.	1.9	7
45	Cigarette smoking effect on oviductal ciliation and ciliogenesis. <i>Fertility and Sterility</i> , 2013, 99, e5.	0.5	3
46	The inflammatory regulation of tubal Â-catenin expression in human ectopic pregnancy: is it too early to propose a cause-and-effect relationship?. <i>Human Reproduction</i> , 2013, 28, 3378-3380.	0.4	1
47	Glucagon-like peptide 1 receptor induced suppression of food intake, and body weight is mediated by central IL-1 and IL-6. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16199-16204.	3.3	114
48	Electrical vs Manual Acupuncture Stimulation in a Rat Model of Polycystic Ovary Syndrome: Different Effects on Muscle and Fat Tissue Insulin Signaling. <i>PLoS ONE</i> , 2013, 8, e54357.	1.1	32
49	Genetic modeling of ovarian phenotypes in mice for the study of human polycystic ovary syndrome. <i>American Journal of Translational Research (discontinued)</i> , 2013, 5, 15-20.	0.0	2
50	Aberrant alteration of vascular endothelial growth factor-family signaling in human tubal ectopic pregnancy: what is known and unknown?. <i>International Journal of Clinical and Experimental Pathology</i> , 2013, 6, 810-5.	0.5	2
51	Linking DNA methylation to the onset of human tubal ectopic pregnancy. <i>American Journal of Translational Research (discontinued)</i> , 2013, 5, 116-25.	0.0	4
52	Maternal androgen excess reduces placental and fetal weights, increases placental steroidogenesis, and leads to long-term health effects in their female offspring. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E1373-E1385.	1.8	90
53	Coordinate regulation of heterogeneous nuclear ribonucleoprotein dynamics by steroid hormones in the human fallopian tube and endometrium in vivo and in vitro. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 302, E1269-E1282.	1.8	28
54	Revealing the Hidden Mechanisms of Smoke-Induced Fallopian Tubal Implantation1. <i>Biology of Reproduction</i> , 2012, 86, 131.	1.2	39

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55	From mice to women and back again: Causalities and clues for Chlamydia-induced tubal ectopic pregnancy. <i>Fertility and Sterility</i> , 2012, 98, 1175-1185.	0.5	25
56	Electrical and manual acupuncture stimulation affect oestrous cyclicity and neuroendocrine function in an 5 α -dihydrotestosterone-induced rat polycystic ovary syndrome model. <i>Experimental Physiology</i> , 2012, 97, 651-662.	0.9	43
57	Interleukin-6 Receptor is Co-localised with Melanin-Concentrating Hormone in Human and Mouse Hypothalamus. <i>Journal of Neuroendocrinology</i> , 2012, 24, 930-943.	1.2	28
58	The role of estrogen in the pathophysiology of tubal ectopic pregnancy. <i>American Journal of Translational Research (discontinued)</i> , 2012, 4, 269-78.	0.0	29
59	Effects of androgen and leptin on behavioral and cellular responses in female rats. <i>Hormones and Behavior</i> , 2011, 60, 427-438.	1.0	23
60	Distinct Expression Pattern of Dicer1 Correlates with Ovarian-Derived Steroid Hormone Receptor Expression in Human Fallopian Tubes during Ovulation and the Midsecretory Phase. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, E869-E877.	1.8	24
61	Reduced Bone Mass and Muscle Strength in Male 5 α -Reductase Type 1 Inactivated Mice. <i>PLoS ONE</i> , 2011, 6, e21402.	1.1	46
62	Stromal cell-specific apoptotic and antiestrogenic mechanisms may explain uterine defects in humans after clomiphene citrate therapy. <i>American Journal of Obstetrics and Gynecology</i> , 2010, 203, 65.e1-65.e10.	0.7	6
63	The role of estrogen receptor β in growth plate cartilage for longitudinal bone growth. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 2690-2700.	3.1	70
64	Nitric oxide synthases and tubal ectopic pregnancies induced by Chlamydia infection: basic and clinical insights. <i>Molecular Human Reproduction</i> , 2010, 16, 907-915.	1.3	20
65	Understanding the mechanisms of human tubal ectopic pregnancies: new evidence from knockout mouse models. <i>Human Reproduction</i> , 2010, 25, 584-587.	0.4	41
66	Intense electroacupuncture normalizes insulin sensitivity, increases muscle GLUT4 content, and improves lipid profile in a rat model of polycystic ovary syndrome. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010, 299, E551-E559.	1.8	75
67	Spatiotemporal expression of androgen receptors in the female rat brain during the oestrous cycle and the impact of exogenous androgen administration: A comparison with gonadally intact males. <i>Molecular and Cellular Endocrinology</i> , 2010, 321, 161-174.	1.6	55
68	Hypothalamic Neuroendocrine Functions in Rats with Dihydrotestosterone-Induced Polycystic Ovary Syndrome: Effects of Low-Frequency Electro-Acupuncture. <i>PLoS ONE</i> , 2009, 4, e6638.	1.1	59
69	Clomiphene Citrate Causes Aberrant Tubal Apoptosis and Estrogen Receptor Activation in Rat Fallopian Tube: Implications for Tubal Ectopic Pregnancy. <i>Biology of Reproduction</i> , 2009, 80, 1262-1271.	1.2	29
70	Downregulation of cilia-localized IL-6R α by 17 β -estradiol in mouse and human fallopian tubes. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 297, C140-C151.	2.1	34
71	Liver-derived IGF1 enhances the androgenic response in prostate. <i>Journal of Endocrinology</i> , 2008, 199, 489-497.	1.2	15
72	Differences in Prolactin Receptor (PRLR) in Mouse and Human Fallopian Tubes: Evidence for Multiple Regulatory Mechanisms Controlling PRLR Isoform Expression in Mice. <i>Biology of Reproduction</i> , 2008, 79, 748-757.	1.2	33

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73	Membrane Progesterone Receptors - Expression and Regulation in the Human and Mouse Fallopian Tube.. <i>Biology of Reproduction</i> , 2008, 78, 137-138.	1.2	0
74	Estrogen-induced upregulation of AR expression and enhancement of AR nuclear translocation in mouse fallopian tubes in vivo. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 292, E604-E614.	1.8	28
75	Ciliated epithelial-specific and regional-specific expression and regulation of the estrogen receptor- β 2 in the fallopian tubes of immature rats: a possible mechanism for estrogen-mediated transport process in vivo. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 293, E147-E158.	1.8	50
76	Dynamic regulation of estrogen receptor- β isoform expression in the mouse fallopian tube: mechanistic insight into estrogen-dependent production and secretion of insulin-like growth factors. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 293, E1430-E1442.	1.8	58
77	Induction of apoptosis increases SUMO-1 protein expression and conjugation in mouse periovulatory granulosa cells in vitro. <i>Molecular Reproduction and Development</i> , 2006, 73, 50-60.	1.0	15
78	Nuclear progesterone receptor A and B isoforms in mouse fallopian tube and uterus: implications for expression, regulation, and cellular function. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006, 291, E59-E72.	1.8	38
79	Developmental and hormonal regulation of progesterone receptor A-form expression in female mouse lung in vivo: interaction with glucocorticoid receptors. <i>Journal of Endocrinology</i> , 2006, 190, 857-870.	1.2	19
80	Progesterone-Receptor Antagonists and Statins Decrease De Novo Cholesterol Synthesis and Increase Apoptosis in Rat and Human Periovulatory Granulosa Cells In Vitro1. <i>Biology of Reproduction</i> , 2005, 72, 538-545.	1.2	41
81	Inhibition of Small Ubiquitin-Related Modifier-1 Expression by Luteinizing Hormone Receptor Stimulation is Linked to Induction of Progesterone Receptor during Ovulation in Mouse Granulosa Cells. <i>Endocrinology</i> , 2004, 145, 384-392.	1.4	31
82	Increase of SUMO-1 expression in response to hypoxia: direct interaction with HIF- 1α in adult mouse brain and heart in vivo. <i>FEBS Letters</i> , 2004, 569, 293-300.	1.3	135
83	Expression of Progesterone Receptor (PR) A and B Isoforms in Mouse Granulosa Cells: Stage-Dependent PR-Mediated Regulation of Apoptosis and Cell Proliferation1. <i>Biology of Reproduction</i> , 2003, 68, 914-921.	1.2	82
84	Gene Expression Analysis of Prostate Hyperplasia in Mice Overexpressing the Prolactin Gene Specifically in the Prostate. <i>Endocrinology</i> , 2003, 144, 4955-4966.	1.4	34
85	Suppression of apoptosis occurs in the cochlea by sound conditioning. <i>NeuroReport</i> , 2003, 14, 1025-1029.	0.6	35
86	Survival factors regulating ovarian apoptosis -- dependence on follicle differentiation. <i>Reproduction</i> , 2002, 123, 23-30.	1.1	201
87	Progesterone receptor antagonists Org 31710 and RU 486 increase apoptosis in human periovulatory granulosa cells. <i>Fertility and Sterility</i> , 2001, 76, 1225-1231.	0.5	70
88	Metformin directly alters key glycolytic enzyme protein expression and mitochondrial function in the endometria of PCOS patients. <i>Endocrine Abstracts</i> , 0, , .	0.0	0
89	Alterations of specific caveolin isoforms in the rat uterus under insulin resistance and hyperandrogenism conditions: does metformin contributes to their regulation?. <i>Endocrine Abstracts</i> , 0, , .	0.0	0
90	Defining uterine insulin resistance. <i>Endocrine Abstracts</i> , 0, , .	0.0	0

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91	Development of hepatic steatosis and inflammation by chronic insulin and hCG exposure in female rats: possible implications in PCOS patients with NAFLD. Endocrine Abstracts, 0, , .	0.0	0