Linus R Shao

List of Publications by Year
in descending order

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	Mutations in TUBB8 and Human Oocyte Meiotic Arrest. New England Journal of Medicine, 2016, 374, 223-232.	13.9	212
2	Survival factors regulating ovarian apoptosis -- dependence on follicle differentiation. Reproduction, 2002, 123, 23-30.	1.1	201
3	Increase of SUMO-1 expression in response to hypoxia: direct interaction with HIF-1Î± in adult mouse brain and heart in vivo. FEBS Letters, 2004, 569, 293-300.	1.3	135
4	Glucagon-like peptide 1 receptor induced suppression of food intake, and body weight is mediated by central IL-1 and IL-6. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16199-16204.	3.3	114
5	Endometrial progesterone resistance and PCOS. Journal of Biomedical Science, 2014, 21, 2.	2.6	102
6	Maternal androgen excess reduces placental and fetal weights, increases placental steroidogenesis, and leads to long-term health effects in their female offspring. American Journal of Physiology - Endocrinology and Metabolism, 2012, 303, E1373-E1385.	1.8	90
7	Expression of Progesterone Receptor (PR) A and B Isoforms in Mouse Granulosa Cells: Stage-Dependent PR-Mediated Regulation of Apoptosis and Cell Proliferation1. Biology of Reproduction, 2003, 68, 914-921.	1.2	82
8	MiRNA-320 in the human follicular fluid is associated with embryo quality in vivo and affects mouse embryonic development in vitro. Scientific Reports, 2015, 5, 8689.	1.6	79
9	Intense electroacupuncture normalizes insulin sensitivity, increases muscle GLUT4 content, and improves lipid profile in a rat model of polycystic ovary syndrome. American Journal of Physiology - Endocrinology and Metabolism, 2010, 299, E551-E559.	1.8	75
10	Progesterone receptor antagonists Org 31710 and RU 486 increase apoptosis in human periovulatory granulosa cells. Fertility and Sterility, 2001, 76, 1225-1231.	0.5	70
11	The role of estrogen receptor Î± in growth plate cartilage for longitudinal bone growth. Journal of Bone and Mineral Research, 2010, 25, 2690-2700.	3.1	70
12	Hyperandrogenism and insulin resistance modulate gravid uterine and placental ferroptosis in PCOS-like rats. Journal of Endocrinology, 2020, 246, 247-263.	1.2	62
13	Hypothalamic Neuroendocrine Functions in Rats with Dihydrotestosterone-Induced Polycystic Ovary Syndrome: Effects of Low-Frequency Electro-Acupuncture. PLoS ONE, 2009, 4, e6638.	1.1	59
14	Dynamic regulation of estrogen receptor-Î± isoform expression in the mouse fallopian tube: mechanistic insight into estrogen-dependent production and secretion of insulin-like growth factors. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E1430-E1442.	1.8	58
15	Metformin Ameliorates Uterine Defects in a Rat Model of Polycystic Ovary Syndrome. EBioMedicine, 2017, 18, 157-170.	2.7	58
16	Hyperandrogenism and insulin resistance induce gravid uterine defects in association with mitochondrial dysfunction and aberrant reactive oxygen species production. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E794-E809.	1.8	57
17	Diversity of the Gut Microbiota in Dihydrotestosterone-Induced PCOS Rats and the Pharmacologic Effects of Diane-35, Probiotics, and Berberine. Frontiers in Microbiology, 2019, 10, 175.	1.5	56
18	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. Molecular and Cellular Endocrinology, 2010, 321, 161-174.	1.6	55

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19	Pregnancy after allogeneic uterus transplantation in the rat: perinatal outcome and growth trajectory. Fertility and Sterility, 2014, 102, 1545-1552.e1.	0.5	55
20	Combination of Diane-35 and Metformin to Treat Early Endometrial Carcinoma in PCOS Women with Insulin Resistance. Journal of Cancer, 2014, 5, 173-181.	1.2	54
21	Direct effects of metformin in the endometrium: a hypothetical mechanism for the treatment of women with PCOS and endometrial carcinoma. Journal of Experimental and Clinical Cancer Research, 2014, 33, 41.	3.5	54
22	Hyperandrogenism and insulin resistanceâ€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. Journal of Physiology, 2019, 597, 3927-3950.	1.3	52
23	Ciliated epithelial-specific and regional-specific expression and regulation of the estrogen receptor-Î²2 in the fallopian tubes of immature rats: a possible mechanism for estrogen-mediated transport process in vivo. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E147-E158.	1.8	50
24	Reduced Bone Mass and Muscle Strength in Male 5Î±-Reductase Type 1 Inactivated Mice. PLoS ONE, 2011, 6, e21402.	1.1	46
25	Differential Expression Patterns of Glycolytic Enzymes and Mitochondria-Dependent Apoptosis in PCOS Patients with Endometrial Hyperplasia, an Early Hallmark of Endometrial Cancer, In Vivo and the Impact of Metformin In Vitro. International Journal of Biological Sciences, 2019, 15, 714-725.	2.6	45
26	Electrical and manual acupuncture stimulation affect oestrous cyclicity and neuroendocrine function in an 5Î±â€dihydrotestosteroneâ€induced rat polycystic ovary syndrome model. Experimental Physiology, 2012, 97, 651-662.	0.9	43
27	Inhibition of the Activation and Recruitment of Microglia-Like Cells Protects Against Neomycin-Induced Ototoxicity. Molecular Neurobiology, 2015, 51, 252-267.	1.9	42
28	Molecular characterization of insulin resistance and glycolytic metabolism in the rat uterus. Scientific Reports, 2016, 6, 30679.	1.6	42
29	Progesterone-Receptor Antagonists and Statins Decrease De Novo Cholesterol Synthesis and Increase Apoptosis in Rat and Human Periovulatory Granulosa Cells In Vitro1. Biology of Reproduction, 2005, 72, 538-545.	1.2	41
30	Understanding the mechanisms of human tubal ectopic pregnancies: new evidence from knockout mouse models. Human Reproduction, 2010, 25, 584-587.	0.4	41
31	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. Journal of Ovarian Research, 2017, 10, 10.	1.3	40
32	Revealing the Hidden Mechanisms of Smoke-Induced Fallopian Tubal Implantation1. Biology of Reproduction, 2012, 86, 131.	1.2	39
33	Regulation of Androgen Receptor Expression Alters AMPK Phosphorylation in the Endometrium: In Vivo and In Vitro Studies in Women with Polycystic Ovary Syndrome. International Journal of Biological Sciences, 2015, 11, 1376-1389.	2.6	39
34	Nuclear progesterone receptor A and B isoforms in mouse fallopian tube and uterus: implications for expression, regulation, and cellular function. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E59-E72.	1.8	38
35	Reversing the reduced level of endometrial GLUT4 expression in polycystic ovary syndrome: a mechanistic study of metformin action. American Journal of Translational Research (discontinued), 2015, 7, 574-86.	0.0	36
36	Suppression of apoptosis occurs in the cochlea by sound conditioning. NeuroReport, 2003, 14, 1025-1029.	0.6	35

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37	Gene Expression Analysis of Prostate Hyperplasia in Mice Overexpressing the Prolactin Gene Specifically in the Prostate. Endocrinology, 2003, 144, 4955-4966.	1.4	34
38	Downregulation of cilia-localized Il-6RÎ± by 17Î²-estradiol in mouse and human fallopian tubes. American Journal of Physiology - Cell Physiology, 2009, 297, C140-C151.	2.1	34
39	TLR4-Associated IRF-7 and NFÎºB Signaling Act as a Molecular Link Between Androgen and Metformin Activities and Cytokine Synthesis in the PCOS Endometrium. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e1022-e1040.	1.8	34
40	Differences in Prolactin Receptor (PRLR) in Mouse and Human Fallopian Tubes: Evidence for Multiple Regulatory Mechanisms Controlling PRLR Isoform Expression in Mice1. Biology of Reproduction, 2008, 79, 748-757.	1.2	33
41	The elusive and controversial roles of estrogen and progesterone receptors in human endometriosis. American Journal of Translational Research (discontinued), 2014, 6, 104-13.	0.0	33
42	Uterine progesterone signaling is a target for metformin therapy in PCOS-like rats. Journal of Endocrinology, 2018, 237, 123-137.	1.2	32
43	Electrical vs Manual Acupuncture Stimulation in a Rat Model of Polycystic Ovary Syndrome: Different Effects on Muscle and Fat Tissue Insulin Signaling. PLoS ONE, 2013, 8, e54357.	1.1	32
44	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. Endocrinology, 2004, 145, 384-392.	1.4	31
45	Clomiphene Citrate Causes Aberrant Tubal Apoptosis and Estrogen Receptor Activation in Rat Fallopian Tube: Implications for Tubal Ectopic Pregnancy1. Biology of Reproduction, 2009, 80, 1262-1271.	1.2	29
46	The role of estrogen in the pathophysiology of tubal ectopic pregnancy. American Journal of Translational Research (discontinued), 2012, 4, 269-78.	0.0	29
47	Estrogen-induced upregulation of AR expression and enhancement of AR nuclear translocation in mouse fallopian tubes in vivo. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E604-E614.	1.8	28
48	Coordinate regulation of heterogeneous nuclear ribonucleoprotein dynamics by steroid hormones in the human fallopian tube and endometrium in vivo and in vitro. American Journal of Physiology - Endocrinology and Metabolism, 2012, 302, E1269-E1282.	1.8	28
49	Interleukinâ€6 Receptor Î± is Coâ€localised with Melaninâ€Concentrating Hormone in Human and Mouse Hypothalamus. Journal of Neuroendocrinology, 2012, 24, 930-943.	1.2	28
50	ecancermedicalscience. Ecancermedicalscience, 2013, 7, 381.	0.6	27
51	Hyperandrogenism and insulin resistance contribute to hepatic steatosis and inflammation in female rat liver. Oncotarget, 2018, 9, 18180-18197.	0.8	27
52	From mice to women and back again: Causalities and clues for Chlamydia-induced tubal ectopic pregnancy. Fertility and Sterility, 2012, 98, 1175-1185.	0.5	25
53	Suppression of uterine and placental ferroptosis by N-acetylcysteine in a rat model of polycystic ovary syndrome. Molecular Human Reproduction, 2021, 27, .	1.3	25
54	Distinct Expression Pattern of Dicer1 Correlates with Ovarian-Derived Steroid Hormone Receptor Expression in Human Fallopian Tubes during Ovulation and the Midsecretory Phase. Journal of Clinical Endocrinology and Metabolism, 2011, 96, E869-E877.	1.8	24

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55	Endogenous Ovarian Angiogenesis in Polycystic Ovary Syndrome-Like Rats Induced by Low-Frequency Electro-Acupuncture: The CLARITY Three-Dimensional Approach. International Journal of Molecular Sciences, 2018, 19, 3500.	1.8	24
56	Effects of androgen and leptin on behavioral and cellular responses in female rats. Hormones and Behavior, 2011, 60, 427-438.	1.0	23
57	Alterations of endometrial epithelialâ€“mesenchymal transition and MAPK signalling components in women with PCOS are partially modulated by metformin in vitro. Molecular Human Reproduction, 2020, 26, 312-326.	1.3	23
58	Long-term androgen excess induces insulin resistance and non-alcoholic fatty liver disease in PCOS-like rats. Journal of Steroid Biochemistry and Molecular Biology, 2021, 208, 105829.	1.2	22
59	Nitric oxide synthases and tubal ectopic pregnancies induced by Chlamydia infection: basic and clinical insights. Molecular Human Reproduction, 2010, 16, 907-915.	1.3	20
60	Hypothalamic DNA methylation in rats with dihydrotestosteroneâ€induced polycystic ovary syndrome: effects of lowâ€frequency electroâ€acupuncture. Experimental Physiology, 2018, 103, 1618-1632.	0.9	20
61	Increased uterine androgen receptor protein abundance results in implantation and mitochondrial defects in pregnant rats with hyperandrogenism and insulin resistance. Journal of Molecular Medicine, 2021, 99, 1427-1446.	1.7	20
62	Developmental and hormonal regulation of progesterone receptor A-form expression in female mouse lung in vivo: interaction with glucocorticoid receptors. Journal of Endocrinology, 2006, 190, 857-870.	1.2	19
63	Promising clinical practices of metformin in women with PCOS and early-stage endometrial cancer. BBA Clinical, 2014, 2, 7-9.	4.1	19
64	Endometrial progesterone receptor isoforms in women with polycystic ovary syndrome. American Journal of Translational Research (discontinued), 2018, 10, 2696-2705.	0.0	19
65	Perturbed ovarian and uterine glucocorticoid receptor signaling accompanies the balanced regulation of mitochondrial function and NFÎºB-mediated inflammation under conditions of hyperandrogenism and insulin resistance. Life Sciences, 2019, 232, 116681.	2.0	16
66	Induction of apoptosis increases SUMO-1 protein expression and conjugation in mouse periovulatory granulosa cells in vitro. Molecular Reproduction and Development, 2006, 73, 50-60.	1.0	15
67	Liver-derived IGF1 enhances the androgenic response in prostate. Journal of Endocrinology, 2008, 199, 489-497.	1.2	15
68	Progesterone-mediated effects on gene expression and oocyte-cumulus complex transport in the mouse fallopian tube. Reproductive Biology and Endocrinology, 2015, 13, 40.	1.4	14
69	Comparison of the diagnostic values of circulating steroid hormones, VEGF-A, PIGF, and ADAM12 in women with ectopic pregnancy. Journal of Translational Medicine, 2013, 11, 44.	1.8	13
70	Lack of cyclical fluctuations of endometrial GLUT4 expression in women with polycystic ovary syndrome: Evidence for direct regulation of GLUT4 by steroid hormones. BBA Clinical, 2015, 4, 85-91.	4.1	13
71	Cranial Irradiation Induces Hypothalamic Injury and Late-Onset Metabolic Disturbances in Juvenile Female Rats. Developmental Neuroscience, 2018, 40, 120-133.	1.0	12
72	PCOS and obesity: insulin resistance might be a common etiology for the development of type I endometrial carcinoma. American Journal of Cancer Research, 2014, 4, 73-9.	1.4	11

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73	Cranial irradiation alters neuroinflammation and neural proliferation in the pituitary gland and induces lateâ€onset hormone deficiency. Journal of Cellular and Molecular Medicine, 2020, 24, 14571-14582.	1.6	10
74	The Regulation of Nitric Oxide Synthase Isoform Expression in Mouse and Human Fallopian Tubes: Potential Insights for Ectopic Pregnancy. International Journal of Molecular Sciences, 2015, 16, 49-67.	1.8	9
75	The onset of human ectopic pregnancy demonstrates a differential expression of miRNAs and their cognate targets in the Fallopian tube. International Journal of Clinical and Experimental Pathology, 2014, 7, 64-79.	0.5	8
76	Toward Understanding Chlamydia Infectionâ€“Induced Infertility Caused by Dysfunctional Oviducts. Journal of Infectious Diseases, 2013, 208, 707-709.	1.9	7
77	Overactivation of the androgen receptor exacerbates gravid uterine ferroptosis via interaction with and suppression of the NRF2 defense signaling pathway. FEBS Letters, 2022, 596, 806-825.	1.3	7
78	Stromal cellâ€“specific apoptotic and antiestrogenic mechanisms may explain uterine defects in humans after clomiphene citrate therapy. American Journal of Obstetrics and Gynecology, 2010, 203, 65.e1-65.e10.	0.7	6
79	How to choose the suitable animal model of polycystic ovary syndrome?. Traditional Medicine and Modern Medicine, 2018, 01, 95-113.	0.2	6
80	Quantitative analysis of hormones and inflammatory cytokines in Chlamydia trachomatis-infected women with tubal ectopic pregnancy and early intrauterine pregnancy. Data in Brief, 2016, 6, 135-142.	0.5	5
81	Uterine glycolytic enzyme expression is affected by knockout of different estrogen receptor subtypes. Biomedical Reports, 2019, 11, 135-144.	0.9	5
82	Linking DNA methylation to the onset of human tubal ectopic pregnancy. American Journal of Translational Research (discontinued), 2013, 5, 116-25.	0.0	4
83	Cigarette smoking effect on oviductal ciliation and ciliogenesis. Fertility and Sterility, 2013, 99, e5.	0.5	3
84	Genetic modeling of ovarian phenotypes in mice for the study of human polycystic ovary syndrome. American Journal of Translational Research (discontinued), 2013, 5, 15-20.	0.0	2
85	Aberrant alteration of vascular endothelial growth factor-family signaling in human tubal ectopic pregnancy: what is known and unknown?. International Journal of Clinical and Experimental Pathology, 2013, 6, 810-5.	0.5	2
86	The inflammatory regulation of tubal Â-catenin expression in human ectopic pregnancy: is it too early to propose a cause-and-effect relationship?. Human Reproduction, 2013, 28, 3378-3380.	0.4	1
87	Membrane Progesterone Receptors - Expression and Regulation in the Human and Mouse Fallopian Tube.. Biology of Reproduction, 2008, 78, 137-138.	1.2	0
88	Metformin directly alters key glycolytic enzyme protein expression and mitochondrial function in the endometria of PCOS patients. Endocrine Abstracts, 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?. Endocrine Abstracts, 0, , .	0.0	0
90	Defining uterine insulin resistance. Endocrine Abstracts, 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