# Yi-Xun Liu

List of Publications by Year
in descending order



| 99 | 2,377 | 172207 | 253896 |
|---|---|---|---|
| papers | citations | 29 h-index | 43 g-index |

| 100 | 100 | 100 | 3281 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Extracellular HSPs: The Potential Target for Human Disease Therapy. Molecules, 2022, 27, 2361. | 1.7 | 11 |
| 2 | Knockout of cyclin B1 in granulosa cells causes female subfertility. Cell Cycle, 2022, , 1-12. | 1.3 | 1 |
| 3 | Proteasome subunit Î±4s is essential for formation of spermatoproteasomes and histone degradation during meiotic DNA repair in spermatocytes. Journal of Biological Chemistry, 2021, 296, 100130. | 1.6 | 14 |
| 4 | Conditional deletion of Wntless in granulosa cells causes impaired corpora lutea formation and subfertility. Aging, 2021, 13, 1001-1016. | 1.4 | 9 |
| 5 | <p>Human Umbilical Cord Mesenchymal Stem Cells for Adjuvant Treatment of a Critically Ill COVID-19 Patient: A Case Report</p>. Infection and Drug Resistance, 2020, Volume 13, 3295-3300. | 1.1 | 23 |
| 6 | CD83, a Novel MAPK Signaling Pathway Interactor, Determines Ovarian Cancer Cell Fate. Cancers, 2020, 12, 2269. | 1.7 | 12 |
| 7 | Melatonin Ameliorates Inflammation and Oxidative Stress by Suppressing the p38MAPK Signaling Pathway in LPS-Induced Sheep Orchitis. Antioxidants, 2020, 9, 1277. | 2.2 | 25 |
| 8 | Fibrin Facilitates Mesenchymal Stem Cells to Ameliorate Rats with Polycystic Ovary Syndrome. Applied Sciences (Switzerland), 2020, 10, 3598. | 1.3 | 4 |
| 9 | An exploration of the role of Sertoli cells on fetal testis development using cell ablation strategy. Molecular Reproduction and Development, 2020, 87, 223-230. | 1.0 | 8 |
| 10 | Restore natural fertility of Kitw/Kitwv mouse with nonobstructive azoospermia through gene editing on SSCs mediated by CRISPR-Cas9. Stem Cell Research and Therapy, 2019, 10, 271. | 2.4 | 20 |
| 11 | In-vitro differentiation of early pig spermatogenic cells to haploid germ cells. Molecular Human Reproduction, 2019, 25, 507-518. | 1.3 | 5 |
| 12 | Testicular germ cell tumor: a comprehensive review. Cellular and Molecular Life Sciences, 2019, 76, 1713-1727. | 2.4 | 98 |
| 13 | Recent Research Advances in Mitosis during Mammalian Gametogenesis. Cells, 2019, 8, 567. | 1.8 | 7 |
| 14 | Distinct Metabolic Features of Seminoma and Embryonal Carcinoma Revealed by Combined Transcriptome and Metabolome Analyses. Journal of Proteome Research, 2019, 18, 1819-1826. | 1.8 | 4 |
| 15 | Melatonin Reduces Androgen Production and Upregulates Heme Oxygenase-1 Expression in Granulosa Cells from PCOS Patients with Hypoestrogenia and Hyperandrogenia. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-13. | 1.9 | 47 |
| 16 | Effects of sperm proteins on fertilization in the female reproductive tract. Frontiers in Bioscience - Landmark, 2019, 24, 735-749. | 3.0 | 9 |
| 17 | Recent advances in the regulation of testicular germ cell tumors by microRNAs. Frontiers in Bioscience - Landmark, 2019, 24, 765-776. | 3.0 | 8 |
| 18 | Role of EZH2 in cell lineage determination and relative signaling pathways. Frontiers in Bioscience - Landmark, 2019, 24, 947-960. | 3.0 | 37 |

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|---|---|---|---|
| 19 | Regulation of follicular development and differentiation by intra-ovarian factors and endocrine hormones. Frontiers in Bioscience - Landmark, 2019, 24, 983-993. | 3.0 | 46 |
| 20 | Kruppel-like factor 6 regulates Sertoli cell blood-testis barrier. Frontiers in Bioscience - Landmark, 2019, 24, 1316-1329. | 3.0 | 8 |
| 21 | Biologic response of sperm and seminal plasma to transient testicular heating. Frontiers in Bioscience - Landmark, 2019, 24, 1401-1425. | 3.0 | 5 |
| 22 | Selective deletion of WLS in peritubular myoid cells does not affect spermatogenesis or fertility in mice. Molecular Reproduction and Development, 2018, 85, 559-561. | 1.0 | 4 |
| 23 | Signaling pathways regulating bloodâ€“tissue barriers â€” Lesson from the testis. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 141-153. | 1.4 | 34 |
| 24 | Melatonin promotes sheep Leydig cell testosterone secretion in a co-culture with Sertoli cells. Theriogenology, 2018, 106, 170-177. | 0.9 | 49 |
| 25 | Regulation of bloodâ€testis barrier assembly in vivo by germ cells. FASEB Journal, 2018, 32, 1653-1664. | 0.2 | 28 |
| 26 | Role of WNT signaling in epididymal sperm maturation. Journal of Assisted Reproduction and Genetics, 2018, 35, 229-236. | 1.2 | 14 |
| 27 | A miR-125b/CSF1-CX3CL1/tumor-associated macrophage recruitment axis controls testicular germ cell tumor growth. Cell Death and Disease, 2018, 9, 962. | 2.7 | 39 |
| 28 | CRISPR/Cas9-mediated genome editing induces gene knockdown by altering the pre-mRNA splicing in mice. BMC Biotechnology, 2018, 18, 61. | 1.7 | 17 |
| 29 | Melatonin-Mediated Development of Ovine Cumulus Cells, Perhaps by Regulation of DNA Methylation. Molecules, 2018, 23, 494. | 1.7 | 17 |
| 30 | GATA4 is a negative regulator of contractility in testicular peritubular myoid cells. Reproduction, 2018, 156, 343-351. | 1.1 | 8 |
| 31 | Melatonin Regulates the Synthesis of Steroid Hormones on Male Reproduction: A Review. Molecules, 2018, 23, 447. | 1.7 | 68 |
| 32 | Cyclin B2 can compensate for Cyclin B1 in oocyte meiosis I. Journal of Cell Biology, 2018, 217, 3901-3911. | 2.3 | 53 |
| 33 | Sperm DNA fragmentation index, as measured by sperm chromatin dispersion, might not predict assisted reproductive outcome. Taiwanese Journal of Obstetrics and Gynecology, 2018, 57, 493-498. | 0.5 | 38 |
| 34 | Impaired telomere length and telomerase activity in peripheral blood leukocytes and granulosa cells in patients with biochemical primary ovarian insufficiency. Human Reproduction, 2017, 32, 201-207. | 0.4 | 62 |
| 35 | Identification of patients with primary ovarian insufficiency caused by autoimmunity. Reproductive BioMedicine Online, 2017, 35, 475-479. | 1.1 | 8 |
| 36 | Merotelic kinetochore attachment in oocyte meiosis II causes sister chromatids segregation errors in aged mice. Cell Cycle, 2017, 16, 1404-1413. | 1.3 | 20 |

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|---|---|---|---|
| 37 | InÂvitro production of functional haploid sperm cells from male germ cells of Saanen dairy goat. Theriogenology, 2017, 90, 120-128. | 0.9 | 16 |
| 38 | Requirement for CCNB1 in mouse spermatogenesis. Cell Death and Disease, 2017, 8, e3142-e3142. | 2.7 | 34 |
| 39 | EZH2 deletion promotes spermatogonial differentiation and apoptosis. Reproduction, 2017, 154, 615-625. | 1.1 | 24 |
| 40 | Melatonin reduces oxidative damage and upregulates heat shock protein 90 expression in cryopreserved human semen. Free Radical Biology and Medicine, 2017, 113, 347-354. | 1.3 | 72 |
| 41 | Abcb1a and Abcb1b genes function differentially in bloodâ€“testis barrier dynamics in the rat. Cell Death and Disease, 2017, 8, e3038-e3038. | 2.7 | 6 |
| 42 | RNAi combining Sleeping Beauty transposon system inhibits ex vivo expression of foot-and-mouth disease virus VP1 in transgenic sheep cells. Scientific Reports, 2017, 7, 10065. | 1.6 | 10 |
| 43 | Premature Ovarian Insufficiency: Phenotypic Characterization Within Different Etiologies. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 2281-2290. | 1.8 | 76 |
| 44 | Over-expression of Toll-like receptor 2 up-regulates heme oxygenase-1 expression and decreases oxidative injury in dairy goats. Journal of Animal Science and Biotechnology, 2017, 8, 3. | 2.1 | 25 |
| 45 | Age-Related Loss of Cohesion: Causes and Effects. International Journal of Molecular Sciences, 2017, 18, 1578. | 1.8 | 37 |
| 46 | Melatonin up-regulates the expression of the GATA-4 transcription factor and increases testosterone secretion from Leydig cells through RORÎ± signaling in an in vitro goat spermatogonial stem cell differentiation culture system. Oncotarget, 2017, 8, 110592-110605. | 0.8 | 20 |
| 47 | Toll-Like Receptor 4 Reduces Oxidative Injury via Glutathione Activity in Sheep. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-9. | 1.9 | 12 |
| 48 | Selective deletion of Smad4 in postnatal germ cells does not affect spermatogenesis or fertility in mice. Molecular Reproduction and Development, 2016, 83, 615-623. | 1.0 | 3 |
| 49 | Melatonin promotes development of haploid germ cells from early developing spermatogenic cells of Suffolk sheep under in vitro condition. Journal of Pineal Research, 2016, 60, 435-447. | 3.4 | 42 |
| 50 | Myh11 -Cre is not limited to peritubular myoid cells and interaction between Sertoli and peritubular myoid cells needs investigation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2352. | 3.3 | 14 |
| 51 | Elevated intracellular pH appears in aged oocytes and causes oocyte aneuploidy associated with the loss of cohesion in mice. Cell Cycle, 2016, 15, 2454-2463. | 1.3 | 22 |
| 52 | The control of male fertility by spermatid-specific factors: searching for contraceptive targets from spermatozoonâ€™s head to tail. Cell Death and Disease, 2016, 7, e2472-e2472. | 2.7 | 45 |
| 53 | Functional spermatid-like cells derived from the ground-state embryonic stem cells in vitro. Science China Life Sciences, 2016, 59, 436-437. | 2.3 | 0 |
| 54 | Testis Cord Maintenance in Mouse Embryos: Genes and Signaling1. Biology of Reproduction, 2016, 94, 42. | 1.2 | 24 |

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|---|---|---|---|
| 55 | Development, function and fate of fetal Leydig cells. Seminars in Cell and Developmental Biology, 2016, 59, 89-98. | 2.3 | 103 |
| 56 | Sertoli Cell Wt1 Regulates Peritubular Myoid Cell and Fetal Leydig Cell Differentiation during Fetal Testis Development. PLoS ONE, 2016, 11, e0167920. | 1.1 | 36 |
| 57 | Androgen receptor in Sertoli cells regulates DNA double-strand break repair and chromosomal synapsis of spermatocytes partially through intercellular EGF-EGFR signaling. Oncotarget, 2016, 7, 18722-18735. | 0.8 | 30 |
| 58 | Advanced studies on ovary physiology in China in the past 30 years. Acta Physiologica Sinica, 2016, 68, 366-84. | 0.5 | 0 |
| 59 | Toll-Like Receptor 4 Promotes NO Synthesis by Upregulating GCHI Expression under Oxidative Stress Conditions in Sheep Monocytes/Macrophages. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-11. | 1.9 | 20 |
| 60 | Regulation of spermatogonial stem cell self-renewal and spermatocyte meiosis by Sertoli cell signaling. Reproduction, 2015, 149, R159-R167. | 1.1 | 210 |
| 61 | Loss ofGata4in Sertoli cells impairs the spermatogonial stem cell niche and causes germ cell exhaustion by attenuating chemokine signaling. Oncotarget, 2015, 6, 37012-37027. | 0.8 | 64 |
| 62 | Equatorin is not essential for acrosome biogenesis but is required for the acrosome reaction. Biochemical and Biophysical Research Communications, 2014, 444, 537-542. | 1.0 | 27 |
| 63 | Wnt/Î²-catenin signaling regulates follicular development by modulating the expression of Foxo3a signaling components. Molecular and Cellular Endocrinology, 2014, 382, 915-925. | 1.6 | 48 |
| 64 | Wt1 dictates the fate of fetal and adult Leydig cells during development in the mouse testis. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E1131-E1143. | 1.8 | 49 |
| 65 | Serine protease and ovarian paracrine factors in regulation of ovulationÂ. Frontiers in Bioscience - Landmark, 2013, 18, 650. | 3.0 | 34 |
| 66 | Fate determination of fetal Leydig cells. Frontiers in Biology, 2011, 6, 12-18. | 0.7 | 7 |
| 67 | Molecular basis of cryptorchidism-induced infertility. Science China Life Sciences, 2010, 53, 1274-1283. | 2.3 | 26 |
| 68 | Temperature control of spermatogenesis and prospect of male contraception. Frontiers in Bioscience - Scholar, 2010, S2, 730-755. | 0.8 | 26 |
| 69 | The spatiotemporal expression changes of 16 epididymis-specific genes induced by testosterone, heat, and combination treatment in cynomolgus monkey. Acta Biochimica Et Biophysica Sinica, 2008, 40, 721-728. | 0.9 | 3 |
| 70 | The spatiotemporal expression changes of 16 epididymis-specific genes induced by testosterone, heat, and combination treatment in cynomolgus monkey. Acta Biochimica Et Biophysica Sinica, 2008, 40, 721-728. | 0.9 | 3 |
| 71 | Involvement of Plasminogen Activator and Plasminogen Activator Inhibitor Type 1 in Spermatogenesis, Sperm Capacitation, and Fertilization. Seminars in Thrombosis and Hemostasis, 2007, 33, 029-040. | 1.5 | 31 |
| 72 | Interaction and signal transduction between oocyte and samatic cells in the ovary. Frontiers in Bioscience - Landmark, 2007, 12, 2772. | 3.0 | 14 |

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|---|---|---|---|
| 73 | TESTOSTERONE REGULATION OF TISSUE TYPE PLASMINOGEN ACTIVATOR (tPA) AND PLASMINOGEN ACTIVATOR INHIBITOR TYPE-1 (PAI-1) EXPRESSION IN SERTOLI CELLS. Biology of Reproduction, 2007, 77, 137-137. | 1.2 | 0 |
| 74 | The molecular mechanism of embryonic stem cell pluripotency maintenance. Science Bulletin, 2005, 50, 2121-2131. | 1.7 | 1 |
| 75 | Involvement of molecules related to angiogenesis, proteolysis and apoptosis in implantation in rhesus monkey and mouse. Contraception, 2005, 71, 249-262. | 0.8 | 36 |
| 76 | CONTROL OF SPERMATOGENESIS IN PRIMATE AND PROSPECT OF MALE CONTRACEPTION. Archives of Andrology, 2005, 51, 77-92. | 1.0 | 23 |
| 77 | Plasminogen activator / plasminogen activator inhibitors in ovarian physiology. Frontiers in Bioscience - Landmark, 2004, 9, 3356. | 3.0 | 46 |
| 78 | Tissue-Type Plasminogen Activator and Its Inhibitor Plasminogen Activator Inhibitor Type 1 Are Coordinately Expressed during Ovulation in the Rhesus Monkey. Endocrinology, 2004, 145, 1767-1775. | 1.4 | 35 |
| 79 | Endometrium implantation and ectopic pregnancy. Science in China Series C: Life Sciences, 2004, 47, 293. | 1.3 | 2 |
| 80 | Follicular growth, differentiation and atresia. Science Bulletin, 2003, 48, 1786-1790. | 1.7 | 9 |
| 81 | Expression and function of a new angiogenic factor AA98 target molecule at the maternal-embryonic boundary of rhesus monkey. Science Bulletin, 2003, 48, 881-886. | 4.3 | 1 |
| 82 | Expression of Matrix Metalloproteinase-2, Tissue Inhibitors of Metalloproteinase-1, -3 at the Implantation Site of Rhesus Monkey During the Early Stage of Pregnancy. Endocrine, 2001, 16, 47-54. | 2.2 | 15 |
| 83 | Expression of Hsp70-2 in Unilateral Cryptorchid Testis of Rhesus Monkey During Germ Cell Apoptosis. Endocrine, 2001, 16, 089-096. | 2.2 | 22 |
| 84 | Localization and the possible role of plasminogen activators and inhibitors in early stages of placentation. Science Bulletin, 2000, 45, 2056-2062. | 1.7 | 4 |
| 85 | Expression and regulation of orphan receptor TR2 mRNA in germ cells of cryptorchid testis in rat and rhesus monkey. Science Bulletin, 2000, 45, 720-725. | 1.7 | 8 |
| 86 | Expression of steroidogenic acute regulatory protein and its regulation by interferon-gamma in rat corpus luteum. Science Bulletin, 2000, 45, 2152-2157. | 1.7 | 4 |
| 87 | Localization of orphan receptor TR3 mRNA in early developmental follicles in rat. Science Bulletin, 2000, 45, 1122-1127. | 1.7 | 2 |
| 88 | Localization and possible role of membrane type metallo-proteinase and tissue inhibitors of metalloproteinase-1 in early stages of placentation. Science Bulletin, 2000, 45, 1484-1489. | 1.7 | 0 |
| 89 | Expression of tissue type and urokinase type plasminogen activators as well as plasminogen activator inhibitor type-1 and type-2 in human and rhesus monkey placenta. Journal of Anatomy, 1999, 194, 183-195. | 0.9 | 54 |
| 90 | Expression of tPA, LH receptor and inhibin Î±, Î²A subunits during follicular atresia in rats. Science in China Series C: Life Sciences, 1999, 42, 583-590. | 1.3 | 3 |

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| 91 | Expression of orphan receptor TR2 mRNA in rhesus monkey (Macaca mulatta) testis. Science Bulletin, 1999, 44, 927-930. | 1.7 | 6 |
| 92 | Follicles in pregnant rat ovary are incapable of steroidogenesis. Science Bulletin, 1999, 44, 1797-1801. | 1.7 | 1 |
| 93 | Role of plasminogen activators and inhibitors in reproduction. Science Bulletin, 1999, 44, 673-685. | 1.7 | 16 |
| 94 | Expression of tissue type and urokinase type plasminogen activators as well as plasminogen activator inhibitor type-1 and type-2 in human and rhesus monkey placenta. American Journal of Anatomy, 1999, 194, 183-195. | 0.9 | 1 |
| 95 | Induction of an Intronic Enhancer of the Human Ciliary Neurotrophic Factor Receptor (CNTFRÎ±) Gene by the TR3 Orphan Receptor. Endocrine, 1998, 9, 27-32. | 2.2 | 5 |
| 96 | Localization and expression of TR3 orphan receptor protein and its mRNA in rat. Science Bulletin, 1998, 43, 146-149. | 1.7 | 2 |
| 97 | Localization of tPA and PAI-1 mRNA in rat testis. Science Bulletin, 1997, 42, 588-592. | 1.7 | 0 |
| 98 | Identification of secretion sites of tissue plasminogen activator and plasminogen activator inhibitor type-1 in basal plates of human and rhesus monkey placentae. Science Bulletin, 1997, 42, 1030-1033. | 1.7 | 3 |
| 99 | Expression and regulation of plasminogen activator and plasminogen activator inhibitor type-1 in rat epididymis. Science Bulletin, 1997, 42, 779-783. | 1.7 | 4 |