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List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1517058/publications.pdf

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|---|---|---|---|
| 32 papers | 2,009 citations | 304602 22 h-index | 395590 33 g-index |
| 36 all docs | 36 docs citations | 36 times ranked | 2281 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Teratozoospermia: spotlight on the main genetic actors in the human. Human Reproduction Update, 2015, 21, 455-485. | 5.2 | 255 |
| 2 | Mutations in CFAP43 and CFAP44 cause male infertility and flagellum defects in Trypanosoma and human. Nature Communications, 2018, 9, 686. | 5.8 | 173 |
| 3 | A Recurrent Deletion of DPY19L2 Causes Infertility in Man by Blocking Sperm Head Elongation and Acrosome Formation. American Journal of Human Genetics, 2011, 88, 351-361. | 2.6 | 165 |
| 4 | Deciphering Cell Lineage Specification during Male Sex Determination with Single-Cell RNA Sequencing. Cell Reports, 2018, 22, 1589-1599. | 2.9 | 126 |
| 5 | Biphasic Role of Calcium in Mouse Sperm Capacitation Signaling Pathways. Journal of Cellular Physiology, 2015, 230, 1758-1769. | 2.0 | 116 |
| 6 | Bi-allelic Mutations in ARMC2 Lead to Severe Astheno-Teratozoospermia Due to Sperm Flagellum Malformations in Humans and Mice. American Journal of Human Genetics, 2019, 104, 331-340. | 2.6 | 113 |
| 7 | Homozygous mutation of PLCZ1 leads to defective human oocyte activation and infertility that is not rescued by the WW-binding protein PAWP. Human Molecular Genetics, 2016, 25, 878-891. | 1.4 | 112 |
| 8 | <scp>SPINK</scp>2 deficiency causes infertility by inducing sperm defects in heterozygotes and azoospermia inÂhomozygotes. EMBO Molecular Medicine, 2017, 9, 1132-1149. | 3.3 | 95 |
| 9 | Compartmentalization of Distinct cAMP Signaling Pathways in Mammalian Sperm. Journal of Biological Chemistry, 2013, 288, 35307-35320. | 1.6 | 88 |
| 10 | Subcellular localization of phospholipase CÎ¶ in human sperm and its absence in DPY19L2-deficient sperm are consistent with its role in oocyte activation. Molecular Human Reproduction, 2015, 21, 157-168. | 1.3 | 83 |
| 11 | Group X phospholipase A2 is released during sperm acrosome reaction and controls fertility outcome in mice. Journal of Clinical Investigation, 2010, 120, 1415-1428. | 3.9 | 65 |
| 12 | Flow cytometry analysis reveals a decrease in intracellular sodium during sperm capacitation. Journal of Cell Science, 2012, 125, 473-485. | 1.2 | 62 |
| 13 | Dpy19l2-deficient globozoospermic sperm display altered genome packaging and DNA damage that compromises the initiation of embryo development. Molecular Human Reproduction, 2015, 21, 169-185. | 1.3 | 61 |
| 14 | Flow Cytometry Analysis Reveals That Only a Subpopulation of Mouse Sperm Undergoes Hyperpolarization During Capacitation1. Biology of Reproduction, 2015, 92, 121. | 1.2 | 56 |
| 15 | Ion Permeabilities in Mouse Sperm Reveal an External Trigger for SLO3-Dependent Hyperpolarization. PLoS ONE, 2013, 8, e60578. | 1.1 | 53 |
| 16 | <scp>PATL</scp> 2 is a key actor of oocyte maturation whose invalidation causes infertility in women and mice. EMBO Molecular Medicine, 2018, 10, . | 3.3 | 53 |
| 17 | Testicular Dysgenesis Syndrome and Long-Lasting Epigenetic Silencing of Mouse Sperm Genes Involved in the Reproductive System after Prenatal Exposure to DEHP. PLoS ONE, 2017, 12, e0170441. | 1.1 | 52 |
| 18 | Expression, localization and functions in acrosome reaction and sperm motility of CaV3.1 and CaV3.2 channels in sperm cells: An evaluation from CaV3.1 and CaV3.2 deficient mice. Journal of Cellular Physiology, 2007, 212, 753-763. | 2.0 | 46 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 19 | Dynamics of Sun5 Localization during Spermatogenesis in Wild Type and Dpy19l2 Knock-Out Mice Indicates That Sun5 Is Not Involved in Acrosome Attachment to the Nuclear Envelope. PLoS ONE, 2015, 10, e0118698. | 1.1 | 37 |
| 20 | MPC1-like Is a Placental Mammal-specific Mitochondrial Pyruvate Carrier Subunit Expressed in Postmeiotic Male Germ Cells. Journal of Biological Chemistry, 2016, 291, 16448-16461. | 1.6 | 30 |
| 21 | Electrophysiological evidence for the presence of cystic fibrosis transmembrane conductance regulator (CFTR) in mouse sperm. Journal of Cellular Physiology, 2013, 228, 590-601. | 2.0 | 25 |
| 22 | Progesterone-induced Acrosome Exocytosis Requires Sequential Involvement of Calcium-independent Phospholipase A2Î² (iPLA2Î²) and Group X Secreted Phospholipase A2 (sPLA2). Journal of Biological Chemistry, 2016, 291, 3076-3089. | 1.6 | 25 |
| 23 | Creation of knock out and knock in mice by CRISPR/Cas9 to validate candidate genes for human male infertility, interest, difficulties and feasibility. Molecular and Cellular Endocrinology, 2018, 468, 70-80. | 1.6 | 24 |
| 24 | Spermaurin, an La1-like peptide from the venom of the scorpionScorpio maurus palmatus, improves sperm motility and fertilization in different mammalian species. Molecular Human Reproduction, 2016, 23, 116-131. | 1.3 | 18 |
| 25 | Snake venoms as a source of compounds modulating sperm physiology: Secreted phospholipases A2 from Oxyuranus scutellatus scutellatus impact sperm motility, acrosome reaction and in vitro fertilization in mice. Biochimie, 2010, 92, 826-836. | 1.3 | 16 |
| 26 | Group X secreted phospholipase A<sub>2</sub> specifically decreases sperm motility in mice. Journal of Cellular Physiology, 2011, 226, 2601-2609. | 2.0 | 15 |
| 27 | Oligogenic heterozygous inheritance of sperm abnormalities in mouse. ELife, 2022, 11, . | 2.8 | 12 |
| 28 | Pantoprazole, a protonâ€pump inhibitor, impairs human sperm motility and capacitation in vitro. Andrology, 2020, 8, 1795-1804. | 1.9 | 9 |
| 29 | The effect of group X secreted phospholipase A2 on fertilization outcome is specific and not mimicked by other secreted phospholipases A2 or progesterone. Biochimie, 2014, 99, 88-95. | 1.3 | 7 |
| 30 | Slo3 K+ channel blocker clofilium extends bull and mouse sperm-fertilizing competence. Reproduction, 2018, 156, 463-476. | 1.1 | 7 |
| 31 | Identification, Characterization and Synthesis of Walterospermin, a Sperm Motility Activator from the Egyptian Black Snake Walterinnesia aegyptia Venom. International Journal of Molecular Sciences, 2020, 21, 7786. | 1.8 | 5 |
| 32 | When idiopathic male infertility is rooted in maternal malnutrition during the perinatal period in mice. Biology of Reproduction, 2022, 106, 463-476. | 1.2 | 0 |