

**TOX IVOS PUBLICATIONS (by Date)**

| Date | Citation |
|------|--|
| 2021 | Benko F, Duracka M, Kovac J, Lukac N, Tvrda E. Comparative Analysis of the Effects of Curcumin and Epicatechin on the Vitality of Rooster Spermatozoa. <i>J Microniol Biotech Food Sci.</i> 2021 June 1; 10(6): 1-4. doi: https://doi.org/10.15414/jmbfs.3078 . Open Access Article |
| 2021 | Bondy GS, Curran IHC, Coady LC, Armstrong C, Bourque C, Bugiel S, Caldwell D, Kwong K, Lefebvre DE, Maurice C, Marchetti F, Pantazopoulos PP, Ross N, Gannon AM. A One-Generation Reproductive Toxicity Study of the Mycotoxin Ochratoxin A in Fischer Rats. <i>Food and Chemical Toxicology.</i> 2021 July; 153: 1-14. doi: https://doi.org/10.1016/j.fct.2021.112247 . Open Access Article |
| 2021 | Lee J, Choi SJ, Jeong JS, Kim SY, Lee SJ, Baek SK, Lee SH, Kim W, Cho JW, Koh EM, Lee K, Jeong EJ, Nam SY, Yu WJ. Maternal Inhalation of Humidier Disinfectant Biocide Aerosol Particles, Polyhexamethylene Guanidine Phosphate, Induces Adverse Postnatal Development in Rat Offspring. <i>Research Square.</i> 2021 Jan. 20: 1-32. doi: 10.21203/rs.3.rs-131830/v1. |
| 2021 | Li X, Liu J, Zhou G, Sang Y, Zhang Y, Jing L, Shi Z, Zhou X, Sun Z. BDE-209 and DBDPE Induce Male Reproductive Toxicity Through Telomere-Related Cell Senescence and Apoptosis in SD Rat. <i>Environment International.</i> 2021 Jan; 146: 2-11. doi: https://doi.org/10.1016/j.envint.2020.106307 . Open Access Article |
| 2021 | Lin PH, Huang KH, Tian YF, Lin CH, Chao CM, Tang LY, Hsieh KL, Chang CP. Exertional Heat Stroke on Fertility, Erectile Function, and Testicular Morphology in Male Rats. <i>Scientific Reports.</i> 2021 Feb. 11; 11(3539): 1-14. doi: https://doi.org/10.1038/s41598-021-83121-3 . Open Access Article |
| 2021 | Lu V, Bastaki M, Api AM, Aubanel M, Bauter M, Cachet T, Demyttenaere J, Diop MM, Harman CL, Hayashi S, Krammer G, Mendes O, Renskers KJ, Schnabel J, Taylor SV. Dietary Administration of β -ionone Epoxide to Sprague-Dawley Rats for 90 days. <i>Current Research in Toxicology.</i> 2021 May 18; 2: 192-201. doi: https://doi.org/10.1016/j.crttox.2021.05.001 . Open Access Article |
| 2021 | Tongrueng S, Vongpralub T, Srimooltho W, Phasuk Y. Transforming Growth Factor Beta1 in Porcine Seminal Plasma on Characteristic of Sperm and Reproductive Efficiency in Sows. <i>Sci Tech Asia.</i> 2021 March 16; 26(1):216-223. ISSN: 2586-9000. Open Access Article |

| Date | Citation |
|------|---|
| 2021 | Yang FW, Fang B, Pang GF, Zhang M, Ren FZ. Triazophos and its Metabolite Diethyl Phosphate Have Different Effects on Endocrine Hormones and Gut Health in Rats. <i>Journal of Environmental Science and Health</i> . 2021 May 26: [1p.]. doi: https://doi.org/10.1080/03601234.2021.1922042 . |
| 2021 | Zhao G, Li J, Yang F, Yin X, Ren F, Fang B, Pang GF. Spermiogenesis Toxicity of Imidacloprid in Rats, Possible Role of CYP3A4. <i>Chemosphere</i> . 2021 Nov; 282: [1p.]. doi: https://doi.org/10.1016/j.chemosphere.2021.131120 . |
| 2020 | Duracka M, Kovacik A, Kacaniova M, Lukac N, Tvrda E. Bacteria May Deteriorate Progressive Motility of Bovine Spermatozoa and Biochemical Parameters of Seminal Plasma. <i>JMBFS</i> . 2020 March 3; 9(4): 844-847. doi: 10.15414/jmbfs.2020.9.4.844-847. Open Access Article |
| 2020 | Kim JK, JJ Myoung, Kim BH, Choi KR, Song G, Shin HC, Suh N, Kim YM, You D, Ahn TY, Kim CS. Establishment of NOAEL for Intracavernous Injections of Human Bone Marrow-derived Mesenchymal Stem Cells in Rats. <i>Investig Clin Urol</i> . 2020 Jan;61(1):88-98. doi: https://doi.org/10.4111/icu.2020.61.1.88 . Open Access Article |
| 2020 | Li XH, Chai RR, Chen GW, Zhang GW, Zhang LF, Tan-Tai WJ, Shi HJ, Martin-DeLeon PA, Wai-Sum O, Chen H. Prohibitin (PHB) Interacts with AKT in Mitochondria to Coordinately Modulate Sperm Motility. <i>Asian Jnl of Androl</i> [Epub ahead of print]. 2020 Aug. 25: 221. doi: 10.4103/aja.aja_46_20. Open Access Article |
| 2020 | Ma JX, Wang B, Li HS, Jiang XJ, Yu J, Ding CF, Chen WQ. Association Between Obesity-Associated Markers and Semen Quality Parameters and Serum Reproductive Hormones in Chinese Infertile Men. <i>Reproductive Biology and Endocrinology</i> . 2020 Sept. 29; 18(95): 1-15. doi: https://doi.org/10.1186/s12958-020-00652-6 . Open Access Article |
| 2020 | Mattie DR, Wong BA, Mumy KL, McInturf SM, Grimm MD, Gargas NM, Shafer LM, Striebich RC, Sterner TR. Toxicity and Human Health Assessment of an Alcohol-to-Jet (ATJ) Synthetic Kerosene. <i>J Toxicol Environ Health A</i> . 2020 Sept. 04: [1p.]. doi: https://doi.org/10.1080/15287394.2020.1813668 |
| 2020 | Nakagata N, Mikoda N, Nakao S, Nakatsukasa E, Takeo T. Establishment of Sperm Cryopreservation and In Vitro Fertilisation Protocols for Rats. <i>Scientific Reports</i> . 2020 Jan. 09; 10(93): [1p.]. doi: https://doi.org/10.1038/s41598-019-57090-7 . |
| 2020 | Zhu D, Ping L, Shen X, Hong Y, Weng Q, He Q, Wang J, Wang J. Effects of prepubertal exposure to forchlorfenuron through prenatal and postnatal gavage administration in developing Sprague-Dawley rats. <i>Reproductive Toxicology</i> . 2020 Sept. 28: [1p.]. doi: https://doi.org/10.1016/j.reprotox.2020.09.009 . |

| Date | Citation |
|------|--|
| 2019 | Acharya M, Burke JM, Rorie RW. Effect of Semen Extender and Storage Temperature on Motility of Ram Spermatozoa. <i>Advances in Reproductive Sciences</i> . 2019 Dec. 19; 8(1): 14-30. doi: https://doi.org/10.4236/arsci.2019.81002 . Open Access Article |
| 2019 | Bastaki M, Api AM, Aubanel M, Bauter M, Cachet T, Demyttenaere JCR, Diop MM, Harman CL, Hayashi S, Krammer G, Lu V, Marone PA, Mendes O, Renskers KJ, Schnabel J, Tsang SY, Taylor SV. Dietary Administration of β -caryophyllene and its Epoxide to Sprague-Dawley Rats for 90 Days. <i>Food and Chemical Toxicology</i> . 2019 Oct 11; 110876: [1p.]. doi: https://doi.org/10.1016/j.fct.2019.110876 . Open Access Article |
| 2019 | Bastaki M, Mendes OR, Bauter MR, Taylor SV. Assessment of FD&C Yellow No. 6 (Sunset Yellow FCF) Effects on Sperm Count, Motility and Viability in the Rat in a 28-day Toxicity Study. <i>Regulatory Toxicology and Pharmacology</i> . 2019 November; 108: [1p.]. doi: https://doi.org/10.1016/j.yrtph.2019.104479 . |
| 2019 | Benko F, Greifova H, Tvrda E. In Vitro Effects of Isoquercitrin on Selected Vitality Markers of Bovine Spermatozoa. <i>Archives of Ecotoxicology</i> . 2019 May 27;1(2): 18-23. Open Access Article |
| 2019 | Benko F, Palkovicová V, Duracka M, Árvay J, Lukác N, Tvrda E. Antioxidant Effects Of Marigold (<i>Calendula Officinalis</i>) Flower Extract On The Oxidative Balance Of Bovine Spermatozoa. <i>Contemporary Agriculture</i> . 2019 Dec. 11; 68(3-4): 92-102. doi: https://doi.org/10.2478/contagri-2019-0015 . Open Access Article |
| 2019 | Cao J, Lin ZB, Tong MH, Zhang YL, Li YP, Zhou YC. Mechanistic Target of Rapamycin Kinase (Mtor) is Required for Spermatogonial Proliferation and Differentiation in Mice. <i>Asian Jnl of Androl</i> . [Epub ahead of print] [cited 2019 Jun 14]. doi:10.4103/aja.aja_14_19. Open Access Article |
| 2019 | Chen Z, Shu N, Wang Y, Yang Y, Shao Z, Tian F, Xia M, Wang Z, Wang X, Feng X, Huang X, Li W, Yu H, Diao H. Tideglusib, a Prospective Alternative to Nonoxynol-9 Contraceptive. <i>Contraception</i> . 2019 April 14; 1(100007): 1-7. doi: https://doi.org/10.1016/j.conx.2019.100007 . Open Access Article |
| 2019 | Colli LG, Belardin LB, Echem C, Akamine EH, Antoniassi MP, Andretta RR, Mathias LS, de Paula Rodrigues SF, Bertolla RP, de Carvalho MHC. Systemic Arterial Hypertension Leads to Decreased Semen Quality and Alterations in the Testicular Microcirculation in Rats. <i>Scientific Reports</i> . 2019 July 30; 9(11047): 1-9. doi: https://doi.org/10.1038/s41598-019-47157-w . Open Access Article |

| Date | Citation |
|------|---|
| 2019 | Lent EM, Narizzano AM. Toxicology Study No. S.0049418-17 Protocol No. 48-16-04-01 Chronic Toxicity Test in Rats Exposed to 3-Nitro-1,2,4-Triazol-5-One (NTO) in Drinking Water, July 2016-August 2017. Aberdeen Proving Ground (MD): APHC; 2019 Sept 30 p. Report No.: S.0049418-17. Open Access Article |
| 2019 | Li J, Pang G, Ren F, Fang B. Chlorpyrifos-Induced Reproductive Toxicity in Rats Could Be Partly Relieved Under High-Fat Diet. <i>Chemosphere</i> . 2019 May 4; 229: 94-102. doi : https://doi.org/10.1016/j.chemosphere.2019.05.020 . |
| 2019 | Yang FW, Zhao GP, Ren FZ, Pang GF, Li YX. Assessment of the Endocrine-Disrupting Effects of Diethyl Phosphate, a Nonspecific Metabolite of Organophosphorus Pesticides, by In Vivo and In Silico Approaches. <i>Environ Int</i> . 2019 Dec. 10; 135: [1p.]. doi: https://doi.org/10.1016/j.envint.2019.105383 . |
| 2019 | Zhang L, Wei J, Duan J, Guo C, Zhang J, Ren L, Liu J, Li Y, Sun Z, Zhou X. Silica Nanoparticles Exacerbates Reproductive Toxicity Development in High-Fat Diet-treated Wistar Rats. <i>Journal of Hazardous Materials</i> . 2019 Oct 1: [1p.]. doi: https://doi.org/10.1016/j.jhazmat.2019.121361 . |
| 2018 | Jia YF, Feng Q, Ge ZY, Guo Y, Zhou F, Zhang KS, Wang XW, Lu WH, Liang XW, Gu YQ. Obesity impairs male fertility through long-term effects on spermatogenesis. <i>BMC Urology</i> . 2018 May 16; 18(42): [1p.]. doi: https://doi.org/10.1186/s12894-018-0360-5 . |
| 2018 | Liu X, Jia Y, Chong L, Jiang J, Yang Y, Li L, Ma A, Sun Z, Zhou L. Effects of oral cimetidine on the reproductive system of male rats. <i>Experimental and Therapeutic Medicine</i> . 2018 April 13; 15 (6): 4643-4650. doi: https://doi.org/10.3892/etm.2018.6065 . |
| 2018 | Shawki HH, Oishi H, Usui T, Kitadate Y, Basha WA, Abdellatif AM, Hasegawa K, Okada R, Mochida K, El-Shemy HA, Muratani M, Ogura A, Yoshida S, Takahashi S. MAFB is Dispensable for the Fetal Testis Morphogenesis and the Maintenance of Spermatogenesis in Adult Mice. <i>PLOS One</i> . 2018 Jan 11: 1-26. doi: https://doi.org/10.1371/journal.pone.0190800 . Open Access Article |
| 2018 | Xie J, Funk J, Bopst M, Ottaviani G, Downes N, Hackford S, Villabruna L, Schmitt G, Barrow P. An innovative investigative approach to characterize the effects observed in a combined fertility study in male and female rats. <i>Regulatory Toxicology and Pharmacology</i> . 2018 June; 95: 339-347. doi: https://doi.org/10.1016/j.yrtph.2018.04.007 . |
| 2018 | Xing HZ, Fang B, Pang GF, Ren FZ. 3-Monochloropropane-1, 2-diol causes irreversible damage to reproductive ability independent of hormone changes in adult male rats. <i>Food and Chemical Toxicology</i> . 2019 Feb; 124: 10-16. doi: https://doi.org/10.1016/j.fct.2018.11.023 . |

| Date | Citation |
|------|--|
| 2018 | Zhang YQ, Shen Y, Liao MM, Mao X, Mi GJ, You C, Guo QY, Li WJ, Wang XY, Lin N, Webster TJ. Galactosylated Chitosan Triptolide Nanoparticles for Overcoming Hepatocellular Carcinoma: Enhanced Therapeutic Efficacy, Low Toxicity, and Validated Network Regulatory Mechanisms. <i>Nanomedicine</i> . 2018 Sept 19: [1p.]. doi: https://doi.org/10.1016/j.nano.2018.09.002 |
| 2017 | An T, Fan H, Liu YF, Pan YY, Liu YK, Mo FF, Gu YJ, Sun YL, Zhao DD, Yu N, Ma Y, Liu CY, Wang QL, Li ZY, Teng F, Gao SH, Jiang GJ. The difference in expression of long noncoding RNAs in rat semen induced by high-fat diet was associated with metabolic pathways. <i>Peer J</i> . 2017 July 25: 1-19. doi: 10.7717/peerj.3518 . Open Access Article |
| 2017 | Andrade Santos A, Sarkis Vieira AL, Pic-Taylor A, Caldas ED. Reproductive Effects of the Psychoactive Beverage Ayahuasca in Male Wistar Rats After Chronic Exposure. <i>Brazilian Journal of Pharmacognosy</i> . 2017 March 9:1-6. doi: http://doi.org/10.1016/j.bjp.2017.01.006 . Open Access Article |
| 2017 | Breslin WJ, Hilbish KG, Cannady EA, Edwards TL. Fertility and Embryo-Fetal Development Assessment in Rats and Rabbits with Evacetrapib: A Cholesteryl Ester Transfer Protein Inhibitor. 2017 March 22: [1p.]. doi: 10.1002/bdr2.1022 . |
| 2017 | Bussi S, Penard L, Bonafe R, Botteron C, Celeste R, Coppo A, Queliti R, Kirchin MA, Tedoldi F, Maisano F. Non-Clinical Assessment of Safety and Gadolinium Deposition After Cumulative Administration of Gadobenate Dimeglumine (MultiHance®) to Neonatal and Juvenile Rats. <i>Regulatory Toxicology and Pharmacology</i> . 2017 Dec 24; 92:268-277. doi: https://doi.org/10.1016/j.yrtph.2017.12.016 . Open Access Article |
| 2017 | Cabral REL, Mendes TB, Vendramini V, Miraglia SM. Carnitine Partially Improves Oxidative Stress, Acrosome Integrity, and Reproductive Competence in Doxorubicin-Treated Rats. 2017 Oct 3: [1p.]. doi: 10.1111/andr.12426 . |
| 2017 | Greifova H, Tvrda E, Jambor T, Lukac N. Dose-And Time-Dependent Effects of Epicatechin on Bovine Spermatozoa In Vitro. <i>J Microbiol Biotech Food Sci</i> . 2017 Dec 1; 7(3): 235-239. doi: 10.15414/jmbfs.2017/18.7.3.235-239 . Open Access Article |
| 2017 | Lei X, He J, Ren C, Zhou Y, Chen X, Dou J. Protective Effects of the Chinese Herbal Medicine Prescription Zhujing Pill on Retina of Streptozotocin-Induced Diabetic Rats. <i>Biomedicine & Pharmacotherapy</i> . 2017 Dec 29; 98: 643-650. doi: https://doi.org/10.1016/j.biopha.2017.12.071 . |
| 2017 | Li L, Li X, Chen X, Chen Y, Liu J, Chen F, Ge F, Ye L, Lian Q, Ge RS. Perfluorooctane sulfonate impairs rat Leydig cell development during puberty. <i>Chemosphere</i> . 2018 Jan: 43-53. doi: https://doi.org/10.1016/j.chemosphere.2017.09.116 |

| Date | Citation |
|------|--|
| 2017 | Miao XL, Gao GM, Jiang L, Xu R, Wan DP. Asiatic Acid Attenuates High-Fat Diet-Induced Impaired Spermatogenesis. <i>Experimental and Therapeutic Medicine</i> . 2017 Dec 22; 1-7. doi: 10.3892/etm.2017.5672. Open Access Article |
| 2017 | Miller TR, Beversdorf LJ, Weirich CA, Bartlett SL. Cyanobacterial Toxins of the Laurentian Great Lakes, their Toxicological Effects, and Numerical Limits in Drinking Water. <i>Preprints</i> . 2017 March 20; 2017030148: 1-48. doi: 10.20944/preprints201703.0148.v1. Open Access Article |
| 2017 | Politano VT, Lewis EM, Hoberman AM, Diener RM, Api AM, Patel A. Oral 1-Generation Rat Reproduction Study of Isobornyl Acetate: An Evaluation Through Sexual Maturity in the F1 Generation. <i>International Journal of Toxicology</i> . 2017 May 8: [1p.]. doi: https://doi.org/10.1177/1091581817708197 . |
| 2017 | Segal L, Thacker K, Fochesato M, Giordano G, Garcon N, Destexhe E. Intramuscularly Administered Herpes Zoster Subunit Vaccine Has No Effects on Fertility, Pre- And Post-Natal Development in Sprague-Dawley Rats. <i>Reproductive Toxicology</i> . 2017 March 31: [1p.]. doi: http://doi.org/10.1016/j.reprotox.2017.03.015 . |
| 2017 | Stewart J. The Relevance of Experimental Reproductive Studies in Safety Assessment. <i>Current Opinion in Toxicology</i> . 2017 May 5: [1p.]. doi: https://doi.org/10.1016/j.cotox.2017.05.002 . |
| 2017 | Xie S, Li G, Qu L, Zhong R, Chen P, Lu Z, Zhou J, Guo X, Li Z, Ma A, Qian Y, Zhu Y. Podophyllotoxin Extracted from Juniperus sabina Fruit Inhibits Rat Sperm Maturation and Fertility by Promoting Epididymal Epithelial Cell Apoptosis. <i>Hindawi</i> . 2017 July 4; 2017: 1-12. doi: https://doi.org/10.1155/2017/6958982 . Open Access Article |
| 2017 | Yuan B, Wu W, Chen M, Gu H, Tang Q, Guo D, Chen T, Chen Y, Lu C, Song L, Xia Y, Chen D, Rehan VK, Sha J, Wang X. Metabolomics reveals a role of betaine in prenatal DBP exposure-induced epigenetic transgenerational failure of spermatogenesis in rats. <i>Toxicological Sciences</i> . 2017 July 11: [1p.]. doi: https://doi.org/10.1093/toxsci/kfx092 |
| 2017 | Zhang C, Zhou Y, Xie S, Yin Q, Tang C, Ni Z, Fei J, Zhang Y. CRISPR/Cas9-Mediated Genome Editing Reveals the Synergistic Effects of β -defensin Family Members on Sperm Maturation in Rat Epididymis. <i>Faseb Journal</i> . 2017 Nov 15; 31 (12): [1p.]. doi: 10.1096/fj.201700936R. |
| 2017 | Zuo E, Cai YJ, Li K, Wei Y, Wang BA, Sun Y, Liu Z, Liu J, Hu X, Wei W, Huo X, Shi L, Tang C, Liang D, Wang Y, Nie YH, Zhang CC, Yao X, Wang X, Zhou C, Ying W, Wang Q, Chen RC, Shen Q, Xu GL, Li J, Sun Q, Xiong ZQ, Yang H. One-step generation of complete gene knockout mice and monkeys by CRISPR/Cas9-mediated gene editing with multiple sgRNAs. <i>Cell Research</i> . 2017 June 6; 27: 933-945. doi:10.1038/cr.2017.81. Open Access Article |

| Date | Citation |
|------|---|
| 2016 | Choi JH, Lee SH, Bae JH, Shim JS, Park HS, Kim YS, Shin C. Effect of Sleep Deprivation on the Male Reproductive System in Rats. <i>J Korean Med Sci.</i> 2016 Aug. 02; 31(10): 1624-1630. doi: http://dx.doi.org/10.3346/jkms.2016.31.10.1624 . Open Access Article |
| 2016 | Guo FZ, Zhang LS, Wei JL, Ren LH, Zhang J, Jing L, Yang M, Wang J, Zhi-Wei S, Zhou XQ. Endosulfan inhibiting the meiosis process via depressing expressions of regulatory factors and causing cell cycle arrest in spermatogenic cells. <i>Environmental Science and Pollution Research.</i> 27 July 2016: 1-11. doi:10.1007/s11356-016-7195-y. |
| 2016 | Igna V, Andrei I, Ardelean V, Otava G, Muselin F, Trif A. An Assesment Of Rat Sperm Motility, Concentration and Morphology. <i>Lucrări Științifice Medicină Veterinară.</i> 2016; 49 (4): 57-63. Open Access Article |
| 2016 | Kumar L, Yadav S, Kushwaha B, Pandey A, Sharma V, Verma V, Maikhuri J, Rajender S, Sharma VL, Gupta G. Energy utilization for survival and fertilization - parsimonious quiescent sperm turn extravagant on motility activation in rat. <i>Society for Study of Reprod.</i> 2016 March 8: 1-11. doi:10.1095/biolreprod.115.137752. Open Access Article. |
| 2016 | Lee YH, Kim D, Lee MJ, Kim MJ, Jang HS, Park SH, Lee JM, Lee HY, Park CB, Han BS, Son WC, Kang JS, Kang JK. Subchronic toxicity of <i>Acorus gramineus</i> rhizoma in rats. <i>Jrnl of Ethnopharmacology.</i> 2016 May 16; 183: 46-53. doi:10.1016/j.jep.2016.02.037. |
| 2016 | Lent EM, Crouse L, Wallace SM. Oral Toxicity of 2,4-Dinitroanisole in Rats. <i>International Journal of Toxicology.</i> 2016 Oct 7: [1p.]. doi: 10.1177/1091581816670321. |
| 2016 | Lent EM, Crouse LCB, Jackovitz AM, Carroll EE, Johnson MS. An extended one-generation reproductive toxicity test of 1,2,4-Triazol-5-one (NTO) in rats. <i>Theriogenology.</i> 2016 Oct 18:1-20. doi: http://dx.doi.org/10.1080/15287394.2016 |
| 2016 | Li J, Mao R, Zhou Q, Ding L, Tao J, Ran MM, Gao ES, Yuan W, Wang JT, Hou LF. Exposure to bisphenol A (BPA) in Wistar rats reduces sperm quality with disruption of ERK signal pathway. <i>Tox Mech & Methods.</i> 2016 Feb. 10. 26(3): 180-188. DOI: 10.3109/15376516.2016.1139024. Open Access Article |
| 2016 | Marien D, Bailey GP, Eichenbaum G, De Jonghe S. Timing is everything for sperm assessment in fertility studies. <i>Reproductive Toxicology.</i> 2016 May 12: [1p.]. doi:10.1016/j.reprotox.2016.05.001 |
| 2016 | Mendes TB, da Costa Vaz A, Cabral RE, Paccola CC, Neves FM, Simas JN, Vendramini V, Miraglia SM. Resveratrol improves reproductive parameters of adult rats varicoceles in peripuberty. <i>Jrnl of Society for Reprod.</i> 2016 April 11. doi: 10.1530/REP-16-0025. |

| Date | Citation |
|------|---|
| 2016 | Miranda-Spooner M, Paccola C, Neves F, Oliva S, Miraglia S. Late reproductive analysis in rat male offspring exposed to nicotine during pregnancy and lactation. <i>Andrology</i> . 2016 Jan. 29; doi: 10.1111/andr.12100 |
| 2016 | Tvrda E, Mackovich A, Greifova H, Lukac N. Lycopene Offers Protection against Oxidative Damage in Frozen-Thawed Bovine Semen. <i>Scientific Papers: Animal Sci and Biotech</i> . 2016; 49(1):115-117. Open Access Article |
| 2016 | Wan X, Ru Y, Chu C, Ni Z, Zhou Y, Wang S, Zhou Z, Zhang Y. Bisphenol A accelerates capacitation-associated protein tyrosine phosphorylation of rat sperm by activating protein kinase A. <i>ABBS</i> . 2016 May 12. doi: 10.1093/abbs/gmw039. |
| 2016 | Zhou L, Huang Q, Wang R, Zhou J, Ma A, Chong L, Wu Y, Wang Y, Xu L, Chen Y, Jia Y, Gui B, Sun Z. Reproductive Toxicity of Zishen Yutai Pill in Rats: The Fertility and Early Embryonic Development Study. <i>Hindawi</i> . 2016 Oct 5: 1-9. doi: http://dx.doi.org/10.1155/2016/3175902 . Open Access Article |
| 2015 | Adams V. Effects of Acute Oral 5-aminotetrazole (5-AT) Exposure to Rats (<i>Rattus norvegicus</i>). Toxicology Study No. S.0015300-13. Protocol No. 30-13-07-01. U.S. Army Public Health Command. February 12, 2015. Open Access Article . |
| 2015 | Crouse LC, Lent EM, Leach GJ. Oral Toxicity of 3-Nitro-1,2,4-triazol-5-one in Rats. <i>Int J Toxicol</i> . 2015 Jan;34(1):55-66. doi: 10.1177/1091581814567177. Epub 2015 Jan 14. PubMed PMID: 25589095 |
| 2015 | Juárez-Rojas AL, García-Lorenzana M, Aragón-Martínez A, Gómez-Quiroz LE, Del Socorro Retana-Márquez M. Intrinsic and extrinsic apoptotic pathways are involved in rat testis by cold water immersion-induced acute and chronic stress. <i>Syst Biol Reprod Med</i> . 2015 Apr 13:1-11. [Epub ahead of print] PubMed PMID: 25867867 |
| 2015 | Kwack SJ, Lee BM. Comparative Cytotoxicity and Sperm Motility Using a Computer-Aided Sperm Analysis System (CASA) for Isomers of Phthalic Acid, a Common Final Metabolite of Phthalates. <i>J Toxicol Environ Health A</i> . 2015;78(16):1038-50. doi: 10.1080/15287394.2015.1067503. Epub 2015 Aug 7. PubMed PMID: 26252616. |
| 2015 | Minarchick VC, Stapleton PA, Sabolsky EM, Nurkiewicz TR. Cerium Dioxide Nanoparticle Exposure Improves Microvascular Dysfunction and Reduces Oxidative Stress in Spontaneously Hypertensive Rats. <i>Front Physiol</i> . 2015 Nov 17;6:339. doi: 10.3389/fphys.2015.00339. eCollection 2015. PubMed PMID: 26635625; PubMed Central PMCID: PMC4646966. Open Access Article |

| Date | Citation |
|------|--|
| 2015 | Powles-Glover N, Mitchard T, Stewart J. Time Course for Onset and Recovery from Effects of a Novel Male Reproductive Toxicant: Implications for Apical Preclinical Study Designs. <i>Birth Defects Res B Dev Reprod Toxicol</i> . 2015 Jul 20. doi: 10.1002/bdrb.21144. [Epub ahead of print] PubMed PMID: 26194980. |
| 2015 | Wolterbeek A, Oosterwijk T, Schneider S, Landsiedel R, de Groot D, van Ee R, Wouters M, van de Sandt H. Oral two-generation reproduction toxicity study with NM-200 synthetic amorphous silica in Wistar rats. <i>Reprod Toxicol</i> . 2015 Mar 25. pii: S0890-6238(15)00040-4. doi: 10.1016/j.reprotox.2015.03.006. [Epub ahead of print] PubMed PMID: 25817409 |
| 2015 | Yamamoto D, Wako Y, Kumabe S, Wako K, Sato Y, Fujishiro M, Yasuda Y, Matsuura I, Ohnishi Y. Positive and negative ions by air purifier have no effects on reproductive function or postnatal growth and development in rats. <i>Fundam. Toxicol. Sci.</i> Vol.2, No.3, 101-110, 2015. Open Access Article |
| 2015 | Yang YJ, Hong YP, Chae SA. Reduction in semen quality after mixed exposure to bisphenol A and isobutylparaben in utero and during lactation periods. <i>Hum Exp Toxicol</i> . 2015 Oct 30. pii: 0960327115608927. [Epub ahead of print] PubMed PMID: 26519482. |
| 2014 | Beckman D, Barbeau S, McLean LA, Yan JH, Hoffmann P. Absence of Irreversible. Effects of Aliskiren in Standard Juvenile Rat Toxicity Studies. <i>Birth Defects Res B Dev Reprod Toxicol</i> . 2014 Apr 1. doi: 10.1002/bdrb.21095. [Epub ahead of print] PubMed PMID: 24692426. |
| 2014 | Ito Y, Tomizawa M, Suzuki H, Okamura A, Ohtani K, Nunome M, Noro Y, Wang D, Nakajima T, Kamijima M. Fenitrothion action at the endocannabinoid system leading to spermatotoxicity in Wistar rats. <i>Toxicol Appl Pharmacol</i> . 2014 Jul 3. pii: S0041-008X(14)00252-X. doi: 10.1016/j.taap.2014.06.023. [Epub ahead of print] PubMed PMID: 24998969. |
| 2014 | Kong L, Tang M, Zhang T, Wang D, Hu K, Lu W, Wei C, Liang G, Pu Y. Nickel nanoparticles exposure and reproductive toxicity in healthy adult rats. <i>Int J Mol Sci</i> . 2014 Nov 17;15(11):21253-69. doi: 10.3390/ijms151121253. PubMed PMID: 25407529; PubMed Central PMCID: PMC4264223. Open Access Article |
| 2013 | Marty MS, Neal BH, Zablony CL, Yano BL, Andrus AK, Woolhiser MR, Boverhof DR, Saghir SA, Perala AW, Passage JK, Lawson MA, Bus JS, Lamb JC, Hammond L. An F1-extended one generation reproductive toxicity study (eogrts) in crl:cd(sd) Rats with 2,4-dichlorophenoxyacetic acid (2,4-D). <i>Toxicol Sci</i> . 2013 Sep 26. [Epub ahead of print] PubMed PMID: 24072463. |

| Date | Citation |
|------|--|
| 2013 | Pouliot L, Schneider M, Decristofaro M, Samadfam R, Smith SY, Beckman DA. Assessment of a Nonsteroidal Aromatase Inhibitor, Letrozole, in Juvenile Rats. Birth Defects Res B Dev Reprod Toxicol. 2013 Dec 9. doi: 10.1002/bdrb.21080. [Epub ahead of print] PubMed PMID: 24323897. |
| 2013 | Qiu LL, Wang X, Zhang XH, Zhang Z, Gu J, Liu L, Wang Y, Wang X, Wang SL. Decreased androgen receptor expression may contribute to spermatogenesis failure in rats exposed to low concentration of bisphenol A. Toxicol Lett. 2013 Mar 22. doi:pii: S0378-4274(13)00109-4. 10.1016/j.toxlet.2013.03.011. [Epub ahead of print] PubMed PMID: 23528252. |
| 2013 | Schleh C, Leoni AL. How to optimize the benefits of computer assisted sperm analysis in experimental toxicology. J Occup Med Toxicol. 2013 Mar 11;8(1):6. doi: 10.1186/1745-6673-8-6. PubMed PMID: 23497634; PubMed Central PMCID: PMC3599994. Open Access Article |
| 2013 | Singh AP, Sarkar S, Tripathi M, Rajender S. Mucuna pruriens and Its Major Constituent L-DOPA Recover Spermatogenic Loss by Combating ROS, Loss of Mitochondrial Membrane Potential and Apoptosis. PLoS One. 2013;8(1):e54655. doi: 10.1371/journal.pone.0054655. Epub 2013 Jan 22. PubMed PMID: 23349947. Open Access Article |
| 2013 | Zhou Y, Ru Y, Wang C, Wang S, Zhou Z, Zhang Y. Tripeptidyl Peptidase II Regulates Sperm Function by Modulating Intracellular Ca(2+) Stores via the Ryanodine Receptor. PLoS One. 2013 Jun 20;8(6):e66634. doi: 10.1371/journal.pone.0066634. Print 2013. PubMed PMID: 23818952; PubMed Central PMCID: PMC3688596. |
| 2012 | Ohta R, Ohmukai H, Marumo H, Shindo T, Nagata T, Ono H. Delayed reproductive dysfunction in female rats induced by early life exposure to low-dose diethylstilbestrol. Reprod Toxicol. 2012 May 5. [Epub ahead of print] PubMed PMID: 22569274 |
| 2012 | Zhang H, Yu H, Wang X, Zheng W, Yang B, Pi J, He G, Qu W. (S)- α -Chlorohydrin Inhibits Protein Tyrosine Phosphorylation through Blocking Cyclic AMP - Protein Kinase A Pathway in Spermatozoa. PLoS One. 2012;7(8):e43004. Epub 2012 Aug 20. PubMed PMID: 22916194. Open Access Article |
| 2011 | Bayala B, Telefo PB, Bassole IHN, Tamboura HH, Belemtougri RG, Sawadogo L, Malpaux B, Dacheux JL. Anti-spermatogenic Activity of Leptadenia hastata (Pers.) Decne Leaf Stems Aqueous Extracts in Male Wistar Rats. Journal of Pharmacology and Toxicology, 2011, 6: 391-399. |

| Date | Citation |
|------|--|
| 2011 | Campion SN, Hurtt ME, Chatman LA, Cappon GD. Toxicity study in juvenile rats with the $\alpha(4) \beta(2)$ nicotinic acetylcholine receptor partial agonist CP-601,927. Birth Defects Res B Dev Reprod Toxicol. 2011 May 18. doi: 10.1002/bdrb.20298. [Epub ahead of print] PubMed PMID: 21594972. |
| 2011 | Cappon GD, Chapin RE, Hurtt ME, Wajnrajch MP, Burns-Naas LA. Impaired reproduction in adult male, but not female, rats following juvenile treatment with the aromatase inhibitor, exemestane. Birth Defects Res B Dev Reprod Toxicol. 2011 Jun 15. doi: 10.1002/bdrb.20307. [Epub ahead of print] PubMed PMID: 21678547. |
| 2011 | Hirata-Koizumi M, Fujii S, Ono A, Hirose A, Imai T, Ogawa K, Ema M, Nishikawa A. Evaluation of the reproductive and developmental toxicity of aluminium ammonium sulfate in a two-generation study in rats. Food and Chemical Toxicology, In Press, Accepted Manuscript, Available online 5 May 2011, ISSN 0278-6915, DOI: 10.1016/j.fct.2011.04.035. |
| 2011 | Otabe A, Fujieda T, Masuyama T. A two-generation reproductive toxicity study of the high-intensity sweetener advantame in CD rats, Food and Chemical Toxicology, In Press, Accepted Manuscript, Available online 6 July 2011, ISSN 0278-6915, DOI: 10.1016/j.fct.2011.07.002. |
| 2011 | Tannenbaum LV, Lee RB. Correlational sperm motility analysis: wild rodent progressive sperm motility as a potentially improved reproduction-assessment parameter in mammals. Arch Environ Contam Toxicol. 2011 Jan;60(1):173-81. Epub 2010 Apr 24. PubMed PMID: 20419295 |
| 2011 | Zhang Z, Wang GL, Li HX, Li L, Cui QW, Wei CB, Zhou F. Regulation of fertilization in male rats by CatSper2 knockdown. Asian J Androl. 2011 Oct 17. doi: 10.1038/aja.2011.118. [Epub ahead of print] PubMed PMID: 22002435. |
| 2010 | Cao D, Li Y, Yang R, Wang Y, Zhou Y, Diao H, Zhao Y, Zhang Y, Lu J. Lipopolysaccharide-Induced Epididymitis Disrupts Epididymal Beta-Defensin Expression and Inhibits Sperm Motility in Rats. Biol Reprod. 2010 Sep 8. [Epub ahead of print] PubMed PMID: 20826730. Open Access Article |
| 2009 | Eustache F, Mondon F, Canivenc-Lavier MC, Lesaffre C, Fulla Y, Berges R, Cravedi JP, Vaiman D, Auger J. Chronic dietary exposure to a low-dose mixture of genistein and vinclozolin modifies the reproductive axis, testis transcriptome, and fertility. Environ Health Perspect. 2009 Aug;117(8):1272-9. doi:10.1289/ehp.0800158. Epub 2009 Apr 1. PubMed PMID: 19672408; PubMed Central PMCID: PMC2721872. Open Access Article |

| Date | Citation |
|------|--|
| 2008 | Hoberman AM, Schreur DK, Leazer T, Daston GP, Carthew P, Re T, Loretz L, Mann P. Lack of effect of butylparaben and methylparaben on the reproductive system in male rats. <i>Birth Defects Res B Dev Reprod Toxicol.</i> 2008 Apr;83(2):123-33. PubMed PMID: 18393383. |
| 2008 | Xu W, Zhang X, Chen W, Fok KL, Rowlands DK, Chui YL, Chan HC. Immunization with Bin1b decreases sperm motility with compromised fertility in rats. <i>Fertil Steril.</i> 2009 Jan 7. [Epub ahead of print] PubMed PMID: 19135192. |
| 2007 | Hsu PC, Pan MH, Li LA, Chen CJ, Tsai SS, Guo YL. Exposure in utero to 2,2',3,3',4,6'-hexachlorobiphenyl (PCB 132) impairs sperm function and alters testicular apoptosis-related gene expression in rat offspring. <i>Toxicol Appl Pharmacol.</i> 2007 May 15;221(1):68-75. Epub 2007 Mar 2. PubMed PMID: 17445852 |
| 2006 | Bieber AM, Marcon L, Hales BF, Robaire B. Effects of chemotherapeutic agents for testicular cancer on the male rat reproductive system, spermatozoa, and fertility. <i>J Androl.</i> 2006 Mar-Apr;27(2):189-200. Epub 2005 Nov 8. PubMed PMID: 16278370 Open Access Article |
| 2006 | Kato H, Furuhashi T, Tanaka M, Katsu Y, Watanabe H, Ohta Y, Iguchi T. Effects of bisphenol A given neonatally on reproductive functions of male rats. <i>Reprod Toxicol.</i> 2006 Jul;22(1):20-9. Epub 2005 Nov 28. PubMed PMID: 16311018 |
| 2006 | Si W, Benson JD, Men H, Critser JK. Osmotic tolerance limits and effects of cryoprotectants on the motility, plasma membrane integrity and acrosomal integrity of rat sperm. <i>Cryobiology.</i> 2006 Dec;53(3):336-48. Epub 2006 Nov 3. PubMed PMID: 17084388 |
| 2006 | Tully DB, Bao W, Goetz AK, Blystone CR, Ren H, Schmid JE, Strader LF, Wood CR, Best DS, Narotsky MG, Wolf DC, Rockett JC, Dix DJ. Gene expression profiling in liver and testis of rats to characterize the toxicity of triazole fungicides. <i>Toxicol Appl Pharmacol.</i> 2006 Sep 15;215(3):260-73. Epub 2006 Apr 27. PubMed PMID: 16643972 |
| 2006 | Tyl RW, Myers CB, Marr MC, Castillo NP, Seely JC, Sloan CS, Veselica MM, Joiner RL, Van Miller JP, Simon GS. Three-generation evaluation of dietary para-nonylphenol in CD (Sprague-Dawley) rats. <i>Toxicol Sci.</i> 2006 Jul;92(1):295-310. Epub 2006 Apr 19. PubMed PMID: 16624851. Open Access Article |
| 2006 | Wang RS, Ohtani K, Suda M, Nakajima T. Inhibitory effect of ethylene glycol monoethyl ether on rat sperm motion. <i>Ind Health.</i> 2006 Oct;44(4):665-8. PubMed PMID: 17085930 Open Access Article |
| 2005 | Fujii S, Yabe K, Furukawa M, Hirata M, Kiguchi M, Ikka T. A two-generation reproductive toxicity study of diethyl phthalate (DEP) in rats. <i>J Toxicol Sci.</i> 2005 Dec;30 Spec No.:97-116. PubMed PMID: 16641546. Open Access Article |

| Date | Citation |
|------|--|
| 2005 | Henderson NA, Robaire B. Effects of PNU157706, a dual 5alpha-reductase inhibitor, on rat epididymal sperm maturation and fertility. <i>Biol Reprod.</i> 2005 Feb;72(2):436-43. Epub 2004 Oct 13. PubMed PMID: 15483222 Open Access Article |
| 2004 | Kawaguchi T, Kawachi M, Morikawa M, Kazuta H, Shibata K, Ishida M, Kitagawa N, Matsuo A, Kadota T. Key parameters of sperm motion in relation to male fertility in rats given alpha-chlorohydrin or nitrobenzene. <i>J Toxicol Sci.</i> 2004 Aug;29(3):217-31. PubMed PMID: 15467271 Open Access Article |
| 2004 | Zhou CX, Zhang YL, Xiao L, Zheng M, Leung KM, Chan MY, Lo PS, Tsang LL, Wong HY, Ho LS, Chung YW, Chan HC. An epididymis-specific beta-defensin is important for the initiation of sperm maturation. <i>Nat Cell Biol.</i> 2004 May;6(5):458-64. PubMed PMID: 15122269. |
| 2002 | Sato M, Ohta R, Kojima K, Shiota M. Differences in sperm motion between high- and low-shuttlebox avoidance rats (Hatano strains). <i>J Androl.</i> 2002 Mar-Apr;23(2):250-8. PubMed PMID: 11868819 Open Access Article |
| 2001 | Kato M, Fukunishi K, Ikegawa S, Higuchi H, Sato M, Horimoto M, Ito S. Overview of studies on rat sperm motion analysis using a Hamilton-Thorne Sperm Analyzer--collaborative working study. <i>J Toxicol Sci.</i> 2001 Dec;26(5):285-97. PubMed PMID: 11871125. Open Access Article |
| 2001 | Kato M, Makino S, Kimura H, Ota T, Furuhashi T, Nagamura Y. Sperm motion analysis in rats treated with adriamycin and its applicability to male reproductive toxicity studies. <i>J Toxicol Sci.</i> 2001 Feb;26(1):51-9. PubMed PMID: 11255793 |
| 2000 | Cancel AM, Lobdell D, Mendola P, Perreault SD. Objective evaluation of hyperactivated motility in rat spermatozoa using computer-assisted sperm analysis. <i>Hum Reprod.</i> 2000 Jun;15(6):1322-8. PubMed PMID: 10831563. Open Access Article |
| 2000 | Horimoto M, Isobe Y, Isogai Y, Tachibana M. Rat epididymal sperm motion changes induced by ethylene glycol monoethyl ether, sulfasalazine, and 2,5-hexandione. <i>Reprod Toxicol.</i> 2000 Jan-Feb;14(1):55-63. PubMed PMID: 10689203 |
| 1996 | Strader LF, Linder RE, Perreault SD. Comparison of rat epididymal sperm counts by IVOS HTM-IDENT and hemacytometer. <i>Reprod Toxicol.</i> 1996 Nov-Dec;10(6):529-33. PubMed PMID: 8946567 |