

# Manuel Garcia-Herreros

## List of Publications by Year in descending order

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46  
papers

1,000  
citations

394421

19  
h-index

434195

31  
g-index

47  
all docs

47  
docs citations

47  
times ranked

976  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Identification of Sperm Morphometric Subpopulations in Two Different Portions of the Boar Ejaculate and Its Relation to Postthaw Quality. Journal of Andrology, 2005, 26, 716-723.                             | 2.0 | 105       |
| 2  | Expression, Regulation, and Function of Progesterone Receptors in Bovine Cumulus Oocyte Complexes During In Vitro Maturation. Biology of Reproduction, 2011, 84, 910-921.                                      | 2.7 | 97        |
| 3  | Morphometry of porcine spermatozoa and its functional significance in relation with the motility parameters in fresh semen. Theriogenology, 2009, 71, 254-263.   | 2.1 | 71        |
| 4  | Changes in tyrosine phosphorylation associated with true capacitation and capacitation-like state in boar spermatozoa. Molecular Reproduction and Development, 2005, 71, 88-96.                                | 2.0 | 68        |
| 5  | Porcine sperm motility is regulated by serine phosphorylation of the glycogen synthase kinase-3 $\beta$ . Reproduction, 2007, 134, 435-444.  | 2.6 | 59        |
| 6  | Boar sperm velocity and motility patterns under capacitating and non-capacitating incubation conditions. Theriogenology, 2005, 63, 795-805.  | 2.1 | 47        |
| 7  | Inhibition of phosphatidylinositol 3-kinase modifies boar sperm motion parameters. Reproduction, 2005, 129, 283-289.   | 2.6 | 42        |
| 8  | Identification and regulation of glycogen synthase kinase-3 during bovine embryo development. Reproduction, 2010, 140, 83-92.  | 2.6 | 42        |
| 9  | Standardization of sample preparation, staining and sampling methods for automated sperm head morphometry analysis of boar spermatozoa. Journal of Developmental and Physical Disabilities, 2006, 29, 553-563. | 3.6 | 37        |
| 10 | Sperm morphometric subpopulations are differentially distributed in rams with different maturity age in cryopreserved ejaculates. Theriogenology, 2011, 76, 97-109.  | 2.1 | 35        |
| 11 | Seasonal dynamics of sperm morphometric subpopulations and its association with sperm quality parameters in ram ejaculates. Theriogenology, 2012, 78, 528-541.   | 2.1 | 33        |
| 12 | Morphometric changes in boar spermatozoa induced by cryopreservation. Journal of Developmental and Physical Disabilities, 2008, 31, 490-498.   | 3.6 | 30        |
| 13 | Phosphatidylinositol 3-kinase pathway regulates sperm viability but not capacitation on boar spermatozoa. Molecular Reproduction and Development, 2007, 74, 1035-1042.   | 2.0 | 29        |
| 14 | Genomic Analysis, Progress and Future Perspectives in Dairy Cattle Selection: A Review. Animals, 2021, 11, 599.  | 2.3 | 26        |
| 15 | Head morphometric changes in cryopreserved ram spermatozoa are related to sexual maturity. Theriogenology, 2011, 75, 473-481.  | 2.1 | 25        |
| 16 | Sperm head morphometry in ejaculates of adult marmosets (Callithrix jacchus): A model for studying sperm subpopulations and among-donor variations. Theriogenology, 2012, 78, 1152-1165.                       | 2.1 | 22        |
| 17 | Differential glycolytic and glycogenogenic transduction pathways in male and female bovine embryos produced in vitro. Reproduction, Fertility and Development, 2012, 24, 344.                                  | 0.4 | 21        |
| 18 | Endometrial response of beef heifers on <i>day 7</i> following insemination to supraphysiological concentrations of progesterone associated with superovulation. Physiological Genomics, 2012, 44, 1107-1115.  | 2.3 | 21        |

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|----|--|-----|-----------|
| 19 | Normozoospermic versus teratozoospermic domestic cats: differential testicular volume, sperm morphometry, and subpopulation structure during epididymal maturation. <i>Asian Journal of Andrology</i> , 2016, 18, 871.       | 1.6 | 20        |
| 20 | Intrafollicular testosterone concentration and sex ratio in individually cultured bovine embryos. <i>Reproduction, Fertility and Development</i> , 2010, 22, 533.  | 0.4 | 19        |
| 21 | Sperm subpopulations in avian species: a comparative study between the rooster ( <i>Gallus domesticus</i> ) and Guinea fowl ( <i>Numida meleagris</i> ). <i>Asian Journal of Andrology</i> , 2016, 18, 889.                  | 1.6 | 16        |
| 22 | Identification of sperm head subpopulations with defined pleiomorphic characteristics in ejaculates of captive Goeldi's monkeys ( <i>Callimico goeldii</i> ). <i>Animal Reproduction Science</i> , 2013, 137, 93-102.        | 1.5 | 14        |
| 23 | Sperm morphometry: a tool for detecting biophysical changes associated with viability in cryopreserved bovine spermatozoa. <i>Andrologia</i> , 2014, 46, 820-822.  | 2.1 | 13        |
| 24 | Incidence of chromosomal abnormalities in bovine blastocysts derived from unsorted and sex-sorted spermatozoa. <i>Reproduction, Fertility and Development</i> , 2010, 22, 1272.  | 0.4 | 11        |
| 25 | Comparative study of sperm washing and selection methods after cryopreservation and its influence on sperm subpopulational structure in a bovine model. <i>Systems Biology in Reproductive Medicine</i> , 2014, 60, 338-347. | 2.1 | 11        |
| 26 | Sperm kinematics and subpopulational responses during the cryopreservation process in caprine ejaculates. <i>Cryobiology</i> , 2018, 82, 137-147.  | 0.7 | 11        |
| 27 | A review of inbreeding depression in dairy cattle: current status, emerging control strategies, and future prospects. <i>Journal of Dairy Research</i> , 2022, 89, 3-12.   | 1.4 | 11        |
| 28 | Temporally differential protein expression of glycolytic and glycogenic enzymes during in vitro preimplantation bovine embryo development. <i>Reproduction, Fertility and Development</i> , 2018, 30, 1245.                  | 0.4 | 10        |
| 29 | Genomic Evaluation of Primiparous High-Producing Dairy Cows: Inbreeding Effects on Genotypic and Phenotypic Productionâ€“Reproductive Traits. <i>Animals</i> , 2020, 10, 1704.   | 2.3 | 10        |
| 30 | Prion protein 2 (duplet) gene (PRND): role in ovine semen capacitation, cryopreservation and fertility. <i>Reproduction, Fertility and Development</i> , 2017, 29, 985.  | 0.4 | 8         |
| 31 | Active immunization against GnRH in pre-pubertal domestic mammals: testicular morphometry, histopathology and endocrine responses in rabbits, guinea pigs and ram lambs. <i>Animal</i> , 2018, 12, 784-793.                  | 3.3 | 8         |
| 32 | Sperm Morphology Assessment in Captive Neotropical Primates. <i>Reproduction in Domestic Animals</i> , 2016, 51, 623-627.  | 1.4 | 7         |
| 33 | Sperm volumetric dynamics during in vitro capacitation process in bovine spermatozoa. <i>Animal</i> , 2015, 9, 1016-1024.  | 3.3 | 6         |
| 34 | Effects of Extra-Long-Acting Recombinant Bovine FSH (bscrFSH) on Cattle Superovulation. <i>Animals</i> , 2022, 12, 153.  | 2.3 | 6         |
| 35 | Differential distribution of sperm subpopulations and incidence of pleiomorphisms in ejaculates of captive howling monkeys ( <i>Alouatta caraya</i> ). <i>Die Naturwissenschaften</i> , 2013, 100, 923-933.                  | 1.6 | 5         |
| 36 | Differential role of r-met-hu G-CSF on male reproductive function and development in prepubertal domestic mammals. <i>PLoS ONE</i> , 2019, 14, e0222871.   | 2.5 | 3         |

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|----|---|-----|-----------|
| 37 | EFFECTO DE LA APLICACIÓN DEL FACTOR ESTIMULANTE DE COLONIAS DE GRANULOCITOS RECOMBINANTE HUMANO (r-met-hu G-CSF) EN EL DESARROLLO SEXUAL DE CORDEROS PREPÁBERES. <i>Spermova</i> , 2017, 7, 93-99.            | 0.1 | 1         |
| 38 | 367 INCIDENCE OF CHROMOSOMAL ABNORMALITIES IN MALE AND FEMALE BOVINE EMBRYOS DERIVED FROM SEX-SORTED SPERM. <i>Reproduction, Fertility and Development</i> , 2010, 22, 340.                                   | 0.4 | 0         |
| 39 | 258 ROLE OF PROGESTERONE AND ITS RECEPTORS ON DEVELOPMENTAL COMPETENCE OF OOCYTES IN CATTLE. <i>Reproduction, Fertility and Development</i> , 2011, 23, 227.  | 0.4 | 0         |
| 40 | 103 TRANSDUCTION PATHWAYS RELATED TO GLUCOSE METABOLISM IN MALE AND FEMALE BOVINE EMBRYOS PRODUCED IN VITRO. <i>Reproduction, Fertility and Development</i> , 2011, 23, 157.                                  | 0.4 | 0         |
| 41 | Effect of Superovulation on Circulating Progesterone Concentrations and Endometrial Gene Expression in Cattle.. <i>Biology of Reproduction</i> , 2011, 85, 364-364.   | 2.7 | 0         |
| 42 | Aplicación intrauterina de flavonoides en vacas lecheras puerperales: involución del tracto reproductivo y fertilidad en ambientes de altitud elevada. <i>Spermova</i> , 2016, 2, 128-132.                    | 0.1 | 0         |
| 43 | Aplicación de GnRh exógena post-IATF y su efecto en los niveles séricos de progesterona y tasa de gestación en vacas lecheras primiparas en ambientes de altitud elevada. <i>Spermova</i> , 2016, 2, 148-152. | 0.1 | 0         |
| 44 | Inmunización activa anti-GnRH en ovino ( <i>Ovis aries</i> ): morfometría testicular, histopatología y respuesta endocrina en corderos prepáberes. <i>Spermova</i> , 2017, 1, 32-36.                          | 0.1 | 0         |
| 45 | Dinámicas espermáticas subpoblacionales durante el proceso de criopreservación en eyaculados de caprino ( <i>Capra aegagrus hircus</i> ). <i>Spermova</i> , 2017, 1, 61-66.                                   | 0.1 | 0         |
| 46 | Filgrastim (recombinant human G-CSF) enhances the efficiency of spermatogenesis in prepubertal <i>Bos indicus</i> bulls. <i>Reproduction in Domestic Animals</i> , 2022, 57, 438-443.                         | 1.4 | 0         |