

# Erdogan Memili

## List of Publications by Year in descending order

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99  
papers

4,155  
citations

159525

30  
h-index

118793

62  
g-index

108  
all docs

108  
docs citations

108  
times ranked

4454  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Genome Sequence of Taurine Cattle: A Window to Ruminant Biology and Evolution. <i>Science</i> , 2009, 324, 522-528.	6.0	1,038
2	Zygotic and embryonic gene expression in cow: a review of timing and mechanisms of early gene expression as compared with other species. <i>Zygote</i> , 2000, 8, 87-96.	0.5	271
3	Comprehensive proteomic analysis of bovine spermatozoa of varying fertility rates and identification of biomarkers associated with fertility. <i>BMC Systems Biology</i> , 2008, 2, 19.	3.0	221
4	Dynamics of global transcriptome in bovine matured oocytes and preimplantation embryos. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 18905-18910.	3.3	157
5	Onset of transcription in bovine oocytes and preimplantation embryos. <i>Molecular Reproduction and Development</i> , 1998, 51, 36-41.	1.0	153
6	Control of Gene Expression at the Onset of Bovine Embryonic Development <sup>1</sup> . <i>Biology of Reproduction</i> , 1999, 61, 1198-1207.	1.2	135
7	Advances in Cryopreservation of Bull Sperm. <i>Frontiers in Veterinary Science</i> , 2019, 6, 268.	0.9	124
8	Melatonin increases cleavage rate of porcine preimplantation embryos in vitro. <i>Journal of Pineal Research</i> , 2007, 43, 283-288.	3.4	111
9	Transcriptome analysis of bull spermatozoa: implications for male fertility. <i>Reproductive BioMedicine Online</i> , 2010, 21, 312-324.	1.1	99
10	Reprogramming mammalian somatic cells. <i>Theriogenology</i> , 2012, 78, 1869-1886.	0.9	92
11	Developmental changes in RNA polymerase II in bovine oocytes, early embryos, and effect of $\alpha$ -amanitin on embryo development. <i>Molecular Reproduction and Development</i> , 1998, 51, 381-389.	1.0	82
12	Developmental and molecular correlates of bovine preimplantation embryos. <i>Reproduction</i> , 2006, 131, 895-904.	1.1	79
13	Sperm Protamine-Status Correlates to the Fertility of Breeding Bulls <sup>1</sup> . <i>Biology of Reproduction</i> , 2015, 92, 92.	1.2	77
14	Proteomic landscape of seminal plasma associated with dairy bull fertility. <i>Scientific Reports</i> , 2018, 8, 16323.	1.6	77
15	Dynamics of microRNAs in bull spermatozoa. <i>Reproductive Biology and Endocrinology</i> , 2012, 10, 82.	1.4	73
16	Two-stage genome-wide association study identifies integrin beta 5 as having potential role in bull fertility. <i>BMC Genomics</i> , 2009, 10, 176.	1.2	70
17	Metabolomic markers of fertility in bull seminal plasma. <i>PLoS ONE</i> , 2018, 13, e0195279.	1.1	70
18	Developmental potential of bovine oocytes cultured in different maturation and culture conditions. <i>Animal Reproduction Science</i> , 2007, 101, 225-240.	0.5	68

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19	Uncovering sperm metabolome to discover biomarkers for bull fertility. <i>BMC Genomics</i> , 2019, 20, 714.	1.2	59
20	Bovine germinal vesicle oocyte and cumulus cell proteomics. <i>Reproduction</i> , 2007, 133, 1107-1120.	1.1	56
21	Proteomics-Based Systems Biology Modeling of Bovine Germinal Vesicle Stage Oocyte and Cumulus Cell Interaction. <i>PLoS ONE</i> , 2010, 5, e11240.	1.1	42
22	Health and Reproductive Profiles of Malaria Antigen-Producing Transgenic Goats Derived by Somatic Cell Nuclear Transfer. <i>Cloning and Stem Cells</i> , 2005, 7, 107-118.	2.6	41
23	A whole-genome association analysis of noncompensatory fertility in Holstein bulls. <i>Journal of Dairy Science</i> , 2011, 94, 4695-4699.	1.4	40
24	Molecular morphology and function of bull spermatozoa linked to histones and associated with fertility. <i>Reproduction</i> , 2013, 146, 263-272.	1.1	39
25	Amino Acids of Seminal Plasma Associated With Freezability of Bull Sperm. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 347.	1.8	38
26	Molecular Physiognomies and Applications of Adipose-Derived Stem Cells. <i>Stem Cell Reviews and Reports</i> , 2015, 11, 298-308.	5.6	35
27	Protein signatures of seminal plasma from bulls with contrasting frozen-thawed sperm viability. <i>Scientific Reports</i> , 2020, 10, 14661.	1.6	35
28	Interrelationships Between Apoptosis and Fertility in Bull Sperm. <i>Journal of Reproduction and Development</i> , 2013, 59, 18-26.	0.5	34
29	Acetylation and methylation of sperm histone 3 lysine 27 (H3K27ac and H3K27me3) are associated with bull fertility. <i>Andrologia</i> , 2018, 50, e12915.	1.0	34
30	Environmental stressors influencing hormones and systems physiology in cattle. <i>Reproductive Biology and Endocrinology</i> , 2014, 12, 58.	1.4	31
31	Transcriptional reprogramming of gene expression in bovine somatic cell chromatin transfer embryos. <i>BMC Genomics</i> , 2009, 10, 190.	1.2	30
32	Delivering value from sperm proteomics for fertility. <i>Cell and Tissue Research</i> , 2012, 349, 783-793.	1.5	30
33	Functional aspects of seminal plasma and sperm proteins and their potential as molecular markers of fertility. <i>Animal Reproduction</i> , 2016, 13, 191-199.	0.4	30
34	Viable Transgenic Goats Derived from Skin Cells. <i>Transgenic Research</i> , 2004, 13, 215-224.	1.3	29
35	Metabolism, protein content, and in vitro embryonic development of goat cumulus-oocyte complexes matured with physiological concentrations of glucose and L-lactate. <i>Molecular Reproduction and Development</i> , 2006, 73, 256-266.	1.0	27
36	Review: Potential of water buffalo in world agriculture: Challenges and opportunities. <i>Applied Animal Science</i> , 2019, 35, 255-268.	0.4	27

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37	EThcD and 213 nm UVPD for Top-Down Analysis of Bovine Seminal Plasma Proteoforms on Electrophoretic and Chromatographic Time Frames. <i>Analytical Chemistry</i> , 2020, 92, 2979-2987.	3.2	26
38	Expression patterns of histone deacetylases in bovine oocytes and early embryos, and the effect of their inhibition on embryo development. <i>Zygote</i> , 2001, 9, 123-133.	0.5	25
39	Comparative functional genomics of mammalian DNA methyltransferases. <i>Reproductive BioMedicine Online</i> , 2010, 20, 243-255.	1.1	25
40	Culture systems for bovine embryos. <i>Livestock Science</i> , 2009, 121, 141-149.	0.6	22
41	Sperm macromolecules associated with bull fertility. <i>Animal Reproduction Science</i> , 2016, 169, 88-94.	0.5	21
42	Sperm miRâ€15a and miRâ€29b are associated with bull fertility. <i>Andrologia</i> , 2020, 52, e13412.	1.0	20
43	Metabolomes of sperm and seminal plasma associated with bull fertility. <i>Animal Reproduction Science</i> , 2020, 220, 106355.	0.5	19
44	Sperm Functional Genome Associated With Bull Fertility. <i>Frontiers in Veterinary Science</i> , 2021, 8, 610888.	0.9	19
45	Lipidomic markers of sperm cryotolerance in cattle. <i>Scientific Reports</i> , 2020, 10, 20192.	1.6	17
46	Advancing Semen Evaluation Using Lipidomics. <i>Frontiers in Veterinary Science</i> , 2021, 8, 601794.	0.9	17
47	Regulatory network of miRNA, lncRNA, transcription factor and target immune response genes in bovine mastitis. <i>Scientific Reports</i> , 2021, 11, 21899.	1.6	16
48	Synchronization of Goat Fibroblast Cells at Quiescent Stage and Determination of Their Transition from G0 to G1 by Detection of Cyclin D1 mRNA. <i>Cloning and Stem Cells</i> , 2004, 6, 58-66.	2.6	15
49	Cellular and Functional Physiopathology of Bull Sperm With Altered Sperm Freezability. <i>Frontiers in Veterinary Science</i> , 2020, 7, 581137.	0.9	15
50	Sperm cellular and nuclear dynamics associated with bull fertility. <i>Animal Reproduction Science</i> , 2019, 211, 106203.	0.5	14
51	Molecular, cellular, and physiological determinants of bull fertility. <i>Turkish Journal of Veterinary and Animal Sciences</i> , 2014, 38, 637-642.	0.2	13
52	Testis specific histone 2B is associated with sperm chromatin dynamics and bull fertility-a pilot study. <i>Reproductive Biology and Endocrinology</i> , 2017, 15, 59.	1.4	13
53	Mycotoxin Alpha-Zearalenol Impairs the Quality of Preimplantation Porcine Embryos. <i>Journal of Reproduction and Development</i> , 2012, 58, 338-343.	0.5	13
54	Functional genomics of HMG3a and SMARCAL1 in early mammalian embryogenesis. <i>BMC Genomics</i> , 2009, 10, 183.	1.2	12

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55	Sperm superoxide dismutase is associated with bull fertility. <i>Reproduction, Fertility and Development</i> , 2016, 28, 1405.	0.1	12
56	Seminal plasma proteins and metabolites: effects on sperm function and potential as fertility markers. <i>Animal Reproduction</i> , 2018, 15, 691-702.	0.4	12
57	Proteomic fertility markers in ram sperm. <i>Animal Reproduction Science</i> , 2021, 235, 106882.	0.5	12
58	Sperm proteins ODF2 and PAWP as markers of fertility in breeding bulls. <i>Cell and Tissue Research</i> , 2022, 387, 159-171.	1.5	12
59	Proteomic analysis of seminal plasma from locally-adapted "Curraleiro Puro" bulls ( <i>Bos taurus</i> ): identifying biomarkers involved in sperm physiology in endangered animals for conservation of biodiversity. <i>Animal Reproduction Science</i> , 2017, 183, 86-101.	0.5	11
60	Retained Acetylated Histone Four in Bull Sperm Associated With Fertility. <i>Frontiers in Veterinary Science</i> , 2019, 6, 223.	0.9	11
61	Effects of culture media and inhibitors on biology of porcine early embryonic development in vitro. <i>Livestock Science</i> , 2009, 121, 102-107.	0.6	9
62	Expression profile of Toll-like receptor 4 in rat testis and epididymis throughout postnatal development. <i>Andrologia</i> , 2020, 52, e13518.	1.0	7
63	Functional attributes of seminal proteins in bull fertility: a systematic review. <i>Reproduction</i> , 2021, 161, 459-475.	1.1	7
64	Leptin and IGF-I improve bovine embryo quality in vitro. <i>Animal Reproduction</i> , 2017, 14, 1151-1160.	0.4	7
65	Review: Sperm: Comparative morphology and function related to altered reproductive strategies and fertility in mammals. <i>The Professional Animal Scientist</i> , 2018, 34, 558-565.	0.7	6
66	Expression dynamics of Integrin Subunit Beta 5 in bovine gametes and embryos imply functions in male fertility and early embryonic development. <i>Andrologia</i> , 2019, 51, e13305.	1.0	6
67	Relationship Between Gait Mechanics and the Speed of the Trot in the Weimaraner Dog Breed. <i>Topics in Companion Animal Medicine</i> , 2019, 35, 26-30.	0.4	5
68	Dynamics of Sperm Chromatin Associated with Bull Fertility.. <i>Biology of Reproduction</i> , 2012, 87, 8-8.	1.2	5
69	Superovulation in goats during the second follicular wave, with or without exogenous progesterone. <i>Small Ruminant Research</i> , 2012, 104, 146-150.	0.6	4
70	Review : Challenges and opportunities in rising feral horse populations. <i>The Professional Animal Scientist</i> , 2016, 32, 717-724.	0.7	4
71	Harnessing the Value of Rumen Protected Amino Acids to Enhance Animal Performance " A Review. <i>Annals of Animal Science</i> , 2022, 22, 43-62.	0.6	3
72	93 MICRORNA SEQUENCES OF BULL SPERMATOZOA. <i>Reproduction, Fertility and Development</i> , 2009, 21, 147.	0.1	3

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73	Determinants of sperm morphology.. , 2014, , 34-56.		3
74	Comparative analysis of various step-dilution techniques on the quality of frozen Limousin bull semen. <i>Veterinary World</i> , 2020, 13, 2422-2428.	0.7	3
75	Application of Proteomics to Identify Fertility Markers in Angus Bull Sperm. <i>HAYATI Journal of Biosciences</i> , 2020, 27, 116.	0.1	3
76	Implications of sperm heat shock protein 70-2 in bull fertility. <i>Veterinary World</i> , 0, , 1456-1466.	0.7	3
77	Makings of the Best Spermatozoa: Molecular Determinants of High Fertility. , 2012, , .		2
78	Identification of biomarkers for bull fertility using functional genomics. <i>Animal Reproduction</i> , 2022, 19, e20220004.	0.4	2
79	140 Effects of resveratrol on post-thaw quality of stallion sperm. <i>Journal of Equine Veterinary Science</i> , 2015, 35, 443.	0.4	1
80	54 Effect of Direct Fed Microbials on Apparent Nutrient Digestibility and the Fecal Microbial Population in the Sedentary Horse.. <i>Journal of Animal Science</i> , 2018, 96, 29-29.	0.2	1
81	161 Effect of Direct Fed Microbials on Apparent Nutrient Digestibility, Fecal Microbial Population, and Blood Metabolites in the Moderately Exercised Horse.. <i>Journal of Animal Science</i> , 2018, 96, 85-85.	0.2	1
82	Effect of Sericin Supplementation in Collection Medium on Bovine Oocyte Nuclear Maturation. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 478, 012006.	0.2	1
83	Onset of transcription in bovine oocytes and preimplantation embryos. , 1998, 51, 36.		1
84	100 PROTEOME OF BULL SPERMATOOZOA. <i>Reproduction, Fertility and Development</i> , 2008, 20, 130.	0.1	1
85	195 SPERMATOOZAL PROTEIN MARKERS FOR ANGUS BULL FERTILITY. <i>Reproduction, Fertility and Development</i> , 2011, 23, 198.	0.1	1
86	Life Skill Development and Financial Impact Associated With a Youth Livestock Sales Program. <i>Journal of Youth Development</i> , 2019, 14, 70-87.	0.1	1
87	PSXVII-10 Application of a survey instrument for determining psychographic profiles of participants of the Dixie Nationals Sale of Junior Champions.. <i>Journal of Animal Science</i> , 2018, 96, 198-198.	0.2	0
88	Evaluation of Friesian Holstein Bulls Fertility in Lembang and Singosari Artificial Insemination Center using West Java ISIKHNAS Data. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 478, 012005.	0.2	0
89	Relationship among Body Weight, Scrotal Circumference and Sperm Quantity of Bali Bulls in Baturiti Artificial Insemination Center. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 478, 012004.	0.2	0
90	BoÄŸa Sperminin Kriyotolerans Ä°le Ä°liÄŸkili Fonksiyonel DeÄŸiÄŸkenleri. <i>Kafkas Universitesi Veteriner Fakultesi Dergisi</i> , 2021, , .	0.0	0

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91	PSXV-15 Application of a survey instrument for understanding pain management practices associated with equine assisted activities and therapy horses. <i>Journal of Animal Science</i> , 2021, 99, 358-358.	0.2	0
92	265 DEVELOPMENT AND DYNAMICS OF GENE EXPRESSION OF BOVINE EMBRYOS CULTURED IN VITRO IN THREE DIFFERENT MEDIA. <i>Reproduction, Fertility and Development</i> , 2006, 18, 240.	0.1	0
93	166 EFFECTS OF LEPTIN AND IGF-1 ON PRE-IMPLANTATION DEVELOPMENT, DNA FRAGMENTATION, AND GENE EXPRESSION OF BOVINE EMBRYOS CULTURED IN VITRO. <i>Reproduction, Fertility and Development</i> , 2006, 18, 191.	0.1	0
94	DEVELOPMENTAL BIOLOGY OF PORCINE PREIMPLANTATION EMBRYOS IN VITRO. <i>Biology of Reproduction</i> , 2007, 77, 219-219.	1.2	0
95	TRANSCRIPTS OF BULL SPERMATOZOA. <i>Biology of Reproduction</i> , 2007, 77, 100-100.	1.2	0
96	Regulation of NOS enzymes by splice variants. <i>FASEB Journal</i> , 2011, 25, 1029.9.	0.2	0
97	Computational Analysis and Assesment of Potential Reproductive Fertiltiy Markers Beta-Tubulin 2C and Heat Shock Protein 10.. <i>Biology of Reproduction</i> , 2011, 85, 533-533.	1.2	0
98	254 SYSTEMS BIOLOGY OF SPERM AND BULL FERTILITY. <i>Reproduction, Fertility and Development</i> , 2016, 28, 259.	0.1	0
99	153 Sperm metabolomic landscape associated with bull fertility. <i>Reproduction, Fertility and Development</i> , 2019, 31, 201.	0.1	0