

# Lei An

## List of Publications by Year in descending order

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37  
papers

679  
citations

516681

16  
h-index

642715

23  
g-index

37  
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37  
docs citations

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times ranked

941  
citing authors

#	ARTICLE	IF	CITATIONS
1	A proteomic atlas of ligandâ€“receptor interactions at the ovine maternalâ€“fetal interface reveals the role of histone lactylation in uterine remodeling. <i>Journal of Biological Chemistry</i> , 2022, 298, 101456.	3.4	23
2	Mitochondrial genome undergoes de novo DNA methylation that protects mtDNA against oxidative damage during the peri-implantation window. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	12
3	Nightâ€“restricted feeding improves locomotor activity rhythm and modulates nutrient utilization to accelerate growth in rabbits. <i>FASEB Journal</i> , 2021, 35, e21166.	0.5	9
4	Prolonged melatonin treatment promote testicular recovery by enhancing RAC1-mediated apoptotic cell clearance and cell junction-dependent spermatogenesis after heat stress. <i>Theriogenology</i> , 2021, 162, 22-31.	2.1	15
5	Mitochondrial transfer from induced pluripotent stem cells rescues developmental potential of in vitro fertilized embryos from aging femalesâ€“. <i>Biology of Reproduction</i> , 2021, 104, 1114-1125.	2.7	11
6	Comparative Genomics, Evolutionary and Gene Regulatory Regions Analysis of Casein Gene Family in <i>Bubalus bubalis</i> . <i>Frontiers in Genetics</i> , 2021, 12, 662609.	2.3	17
7	The mRNA-destabilizing protein Tristetraprolin targets â€œmeiosis arresterâ€“ <i>Nppc</i> mRNA in mammalian preovulatory follicles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	14
8	Loss of diurnal behavioral rhythms and impaired lipid metabolism in growing pigs with mistimed feeding. <i>FASEB Journal</i> , 2021, 35, e21972.	0.5	4
9	Vitamin C Rescues in vitro Embryonic Development by Correcting Impaired Active DNA Demethylation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 784244.	3.7	7
10	Night-Restricted Feeding Improves Gut Health by Synchronizing Microbe-Driven Serotonin Rhythm and Eating Activity-Driven Body Temperature Oscillations in Growing Rabbits. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 771088.	3.9	8
11	N-acetyl-l-cysteine protects porcine oocytes undergoing meiotic resumption from heat stress. <i>Reproductive Toxicology</i> , 2020, 91, 27-34.	2.9	13
12	Repression of FGF signaling is responsible for <i>Dnmt3b</i> inhibition and impaired <i>de novo</i> DNA methylation during early development of <i>in vitro</i> fertilized embryos. <i>International Journal of Biological Sciences</i> , 2020, 16, 3085-3099.	6.4	7
13	The proteome of IVF-induced aberrant embryo-maternal crosstalk by implantation stage in ewes. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 7.	5.3	6
14	Drinking Warm Water Improves Growth Performance and Optimizes the Gut Microbiota in Early Postweaning Rabbits during Winter. <i>Animals</i> , 2019, 9, 346.	2.3	25
15	Melatonin protects in vitro matured porcine oocytes from toxicity of Aflatoxin B1. <i>Journal of Pineal Research</i> , 2019, 66, e12543.	7.4	45
16	C-type natriuretic peptide enhances mouse preantral follicle growth. <i>Reproduction</i> , 2019, 157, 445-455.	2.6	10
17	Natriuretic peptide receptor 2 (NPR2) localized in bovine oocyte underlies a unique mechanism for C-type natriuretic peptide (CNP)-induced meiotic arrest. <i>Theriogenology</i> , 2018, 106, 198-209.	2.1	32
18	Revolutionize livestock breeding in the future: an animal embryo-stem cell breeding system in a dish. <i>Journal of Animal Science and Biotechnology</i> , 2018, 9, 90.	5.3	14

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19	Improving heterologous expression of porcine follicle-stimulating hormone in <i>Pichia pastoris</i> by integrating molecular strategies and culture condition optimization. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 8867-8882.	3.6	13
20	High-resolution profiles of gene expression and DNA methylation highlight mitochondrial modifications during early embryonic development. <i>Journal of Reproduction and Development</i> , 2017, 63, 247-261.	1.4	17
21	miR-6539 is a novel mediator of somatic cell reprogramming that represses the translation of <i>Dnmt3b</i> . <i>Journal of Reproduction and Development</i> , 2017, 63, 415-423.	1.4	5
22	Efficient biallelic mutation in porcine parthenotes using a CRISPR-Cas9 system. <i>Biochemical and Biophysical Research Communications</i> , 2016, 476, 225-229.	2.1	23
23	Dynamic integrated analysis of DNA methylation and gene expression profiles in <i>in vivo</i> and <i>in vitro</i> fertilized mouse post-implantation extraembryonic and placental tissues. <i>Molecular Human Reproduction</i> , 2016, 22, 485-498.	2.8	28
24	Downregulation of miR-199a-5p Disrupts the Developmental Potential of In Vitro-Fertilized Mouse Blastocysts. <i>Biology of Reproduction</i> , 2016, 95, 54-54.	2.7	22
25	IVF affects embryonic development in a sex-biased manner in mice. <i>Reproduction</i> , 2016, 151, 443-453.	2.6	32
26	Impaired imprinted X chromosome inactivation is responsible for the skewed sex ratio following in vitro fertilization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3197-3202.	7.1	53
27	Comparative analysis between endometrial proteomes of pregnant and non-pregnant ewes during the peri-implantation period. <i>Journal of Animal Science and Biotechnology</i> , 2015, 6, 18.	5.3	18
28	Actin Disorganization Plays a Vital Role in Impaired Embryonic Development of In Vitro-Produced Mouse Preimplantation Embryos. <i>PLoS ONE</i> , 2015, 10, e0130382.	2.5	22
29	Generation of Fully Pluripotent Female Murine-Induced Pluripotent Stem Cells <sup>1</sup> . <i>Biology of Reproduction</i> , 2015, 92, 123.	2.7	8
30	Dynamic comparisons of high-resolution expression profiles highlighting mitochondria-related genes between <i>in vivo</i> and <i>in vitro</i> fertilized early mouse embryos. <i>Human Reproduction</i> , 2015, 30, dev228.	0.9	30
31	Dynamic Proteomic Profiles of In Vivo- and In Vitro-Produced Mouse Postimplantation Extraembryonic Tissues and Placentas <sup>1</sup> . <i>Biology of Reproduction</i> , 2014, 91, 155.	2.7	28
32	High-throughput sequencing reveals the disruption of methylation of imprinted gene in induced pluripotent stem cells. <i>Cell Research</i> , 2014, 24, 293-306.	12.0	50
33	Phosphorylation of histone H3 on Ser10 by auto-phosphorylated PAK1 is not essential for chromatin condensation and meiotic progression in porcine oocytes. <i>Journal of Animal Science and Biotechnology</i> , 2013, 4, 13.	5.3	3
34	Comparative Analysis of Dynamic Proteomic Profiles between in Vivo and in Vitro Produced Mouse Embryos during Postimplantation Period. <i>Journal of Proteome Research</i> , 2013, 12, 3843-3856.	3.7	27
35	Comparative analysis of proteomic profiles between endometrial caruncular and intercaruncular areas in ewes during the peri-implantation period. <i>Journal of Animal Science and Biotechnology</i> , 2013, 4, 39.	5.3	8
36	Association of a missense mutation in the luteinizing hormone/choriogonadotropin receptor gene (LHCGR) with superovulation traits in Chinese Holstein heifers. <i>Journal of Animal Science and Biotechnology</i> , 2012, 3, 35.	5.3	6

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37	Heterologous expression of <i>C. elegans</i> fat-1 decreases the n-6/n-3 fatty acid ratio and inhibits adipogenesis in 3T3-L1 cells. <i>Biochemical and Biophysical Research Communications</i> , 2012, 428, 405-410.	2.1	14