

# Krishna Chaitanya Pavani

## List of Publications by Year in descending order

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21  
papers

333  
citations

840585

11  
h-index

887953

17  
g-index

21  
all docs

21  
docs citations

21  
times ranked

403  
citing authors

#	ARTICLE	IF	CITATIONS
1	Isolation and Characterization of Functionally Active Extracellular Vesicles from Culture Medium Conditioned by Bovine Embryos In Vitro. <i>International Journal of Molecular Sciences</i> , 2019, 20, 38.	1.8	44
2	MicroRNA-325-3p Facilitates Immune Escape of Mycobacterium tuberculosis through Targeting LNX1 via NEK6 Accumulation to Promote Anti-Apoptotic STAT3 Signaling. <i>MBio</i> , 2020, 11, .	1.8	32
3	Bovine Embryo-Secreted microRNA-30c Is a Potential Non-invasive Biomarker for Hampered Preimplantation Developmental Competence. <i>Frontiers in Genetics</i> , 2019, 10, 315.	1.1	29
4	Extracellular Vesicles from Follicular and Ampullary Fluid Isolated by Density Gradient Ultracentrifugation Improve Bovine Embryo Development and Quality. <i>International Journal of Molecular Sciences</i> , 2021, 22, 578.	1.8	26
5	Emerging role of extracellular vesicles in communication of preimplantation embryos in vitro. <i>Reproduction, Fertility and Development</i> , 2017, 29, 66.	0.1	25
6	Hatching is modulated by microRNA-378a-3p derived from extracellular vesicles secreted by blastocysts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2122708119.	3.3	23
7	MiR-342 controls Mycobacterium tuberculosis susceptibility by modulating inflammation and cell death. <i>EMBO Reports</i> , 2021, 22, e52252.	2.0	22
8	Gene expression, oocyte nuclear maturation and developmental competence of bovine oocytes and embryos produced after in vivo and in vitro heat shock. <i>Zygote</i> , 2016, 24, 748-759.	0.5	20
9	Reproductive Performance of Holstein Dairy Cows Grazing in Dry-summer Subtropical Climatic Conditions: Effect of Heat Stress and Heat Shock on Meiotic Competence and In vitro Fertilization. <i>Asian-Australasian Journal of Animal Sciences</i> , 2015, 28, 334-342.	2.4	18
10	Follicular fluid during individual oocyte maturation enhances cumulus expansion and improves embryo development and quality in a dose-specific manner. <i>Theriogenology</i> , 2021, 166, 38-45.	0.9	15
11	The Separation and Characterization of Extracellular Vesicles from Medium Conditioned by Bovine Embryos. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2942.	1.8	14
12	Effect of lycopene supplementation to bovine oocytes exposed to heat shock during in vitro maturation. <i>Theriogenology</i> , 2021, 173, 48-55.	0.9	13
13	Bta-miR-10b Secreted by Bovine Embryos Negatively Impacts Preimplantation Embryo Quality. <i>Frontiers in Genetics</i> , 2019, 10, 757.	1.1	9
14	Novel ultrastructural findings in bovine oocytes matured in vitro. <i>Theriogenology</i> , 2020, 143, 88-97.	0.9	8
15	The effect of vitrification of immature bovine oocytes to the subsequent in vitro development and gene expression. <i>Zygote</i> , 2015, 23, 933-942.	0.5	7
16	Platelet-activating factor acetylhydrolase 1B3 (PAFAH1B3) is required for the formation of the meiotic spindle during in vitro oocyte maturation. <i>Reproduction, Fertility and Development</i> , 2018, 30, 1739.	0.1	7
17	Lycopene Supplementation to Serum-Free Maturation Medium Improves In Vitro Bovine Embryo Development and Quality and Modulates Embryonic Transcriptomic Profile. <i>Antioxidants</i> , 2022, 11, 344.	2.2	7
18	Optimisation of total RNA extraction from bovine oocytes and embryos for gene expression studies and effects of cryoprotectants on total RNA extraction. <i>Cytology and Genetics</i> , 2015, 49, 232-239.	0.2	6

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19	The effect of kinetic heat shock on bovine oocyte maturation and subsequent gene expression of targeted genes. <i>Zygote</i> , 2017, 25, 383-389.	0.5	6
20	Short communication: Morphometric characterization of Lidia cow ( <i>Bos taurus</i> ) reproductive apparatus. <i>Spanish Journal of Agricultural Research</i> , 2018, 16, e04SC03.	0.3	2
21	Crossbreeding effect of double-muscled cattle on in vitro embryo development and quality. <i>Reproductive Biology</i> , 2020, 20, 288-292.	0.9	0