

Dharmendra Kumar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2644456/publications.pdf>

Version: 2024-02-01

59
papers

992
citations

430754

18
h-index

501076

28
g-index

62
all docs

62
docs citations

62
times ranked

883
citing authors

#	ARTICLE	IF	CITATIONS
1	Pluripotent Stem Cells for Livestock Health and Production. <i>Current Stem Cell Research and Therapy</i> , 2022, 17, 252-266.	0.6	2
2	Applications of Genome Editing Tools in Stem Cells Towards Regenerative Medicine: An Update. <i>Current Stem Cell Research and Therapy</i> , 2022, 17, 267-279.	0.6	4
3	Effect of mitochondria-targeted antioxidant on the regulation of the mitochondrial function of sperm during cryopreservation. <i>Andrologia</i> , 2022, 54, e14431.	1.0	5
4	Double Sperm Cloning: Could Improve the Efficiency of Animal Cloning. , 2022, 2, 108-114.		1
5	Cryobanking of primary somatic cells of elite farm animals - A pilot study in domesticated water buffalo (<i>Bubalus bubalis</i>). <i>Cryobiology</i> , 2021, 98, 139-145.	0.3	8
6	Generation of Murine Induced Pluripotent Stem Cells through Transposon-Mediated Reprogramming. <i>Methods in Molecular Biology</i> , 2021, , 791-809.	0.4	2
7	Induced pluripotent stem cells from buffalo. , 2021, , 149-164.		1
8	Perspectives of pluripotent stem cells in livestock. <i>World Journal of Stem Cells</i> , 2021, 13, 1-29.	1.3	15
9	Is addition or removal of seminal plasma able to compensate for the dilution effect of buffalo semen?. <i>Andrologia</i> , 2021, 53, e14123.	1.0	5
10	Factors influencing seasonal anestrus in buffaloes and strategies to overcome the summer anestrus in buffaloes. <i>Biological Rhythm Research</i> , 2020, 51, 907-914.	0.4	4
11	Applications of genome editing in farm animals. , 2020, , 131-149.		5
12	Effect of Dickkopf-1 and colony stimulating factor-2 on the developmental competence, quality, gene expression and live birth rate of buffalo (<i>Bubalus bubalis</i>) embryos produced by hand-made cloning. <i>Theriogenology</i> , 2020, 157, 254-262.	0.9	17
13	<i>Escherichia coli</i> membrane-derived oxygen-reducing enzyme system (Oxyrase) protects bubaline spermatozoa during cryopreservation. <i>Molecular Reproduction and Development</i> , 2020, 87, 1048-1058.	1.0	2
14	Semen parameters and fertility potency of a cloned water buffalo (<i>Bubalus bubalis</i>) bull produced from a semen-derived epithelial cell. <i>PLoS ONE</i> , 2020, 15, e0237766.	1.1	3
15	Low-density lipoproteins protect sperm during cryopreservation in buffalo: Unraveling mechanism of action. <i>Molecular Reproduction and Development</i> , 2020, 87, 1231-1244.	1.0	6
16	â€˜Semen dilution effectâ€™™ on sperm variables and conception rate in buffalo. <i>Animal Reproduction Science</i> , 2020, 214, 106304.	0.5	16
17	Potential of transposon-mediated cellular reprogramming towards cell-based therapies. <i>World Journal of Stem Cells</i> , 2020, 12, 527-544.	1.3	14
18	Application of Nanotechnology in Agricultural Farm Animals. , 2020, , 1-8.		0

#	ARTICLE	IF	CITATIONS
19	Successful cloning of a superior buffalo bull. <i>Scientific Reports</i> , 2019, 9, 11366.	1.6	22
20	Sodium alginate potentiates antioxidants, cryoprotection and antibacterial activities of egg yolk extender during semen cryopreservation in buffalo. <i>Animal Reproduction Science</i> , 2019, 209, 106166.	0.5	13
21	Transposon mediated reprogramming of buffalo fetal fibroblasts to induced pluripotent stem cells in feeder free culture conditions. <i>Research in Veterinary Science</i> , 2019, 123, 252-260.	0.9	11
22	Isolation and culture of epithelial cells from stored buffalo semen and their use for the production of cloned embryos. <i>Reproduction, Fertility and Development</i> , 2019, 31, 1581.	0.1	2
23	Melatonin-improved buffalo semen quality during nonbreeding season under tropical condition. <i>Domestic Animal Endocrinology</i> , 2019, 68, 119-125.	0.8	20
24	A new role for RU486 (mifepristone): it protects sperm from premature capacitation during cryopreservation in buffalo. <i>Scientific Reports</i> , 2019, 9, 6712.	1.6	19
25	Generation of Venus fluorochrome expressing transgenic handmade cloned buffalo embryos using Sleeping Beauty transposon. <i>Tissue and Cell</i> , 2018, 51, 49-55.	1.0	10
26	A novel combination of silane-coated silica colloid with hybrid RNA extraction protocol and RNA enrichment for downstream applications of spermatozoal RNA. <i>Andrologia</i> , 2018, 50, e13030.	1.0	8
27	Establishment of a Somatic Cell Bank for Indian Buffalo Breeds and Assessing the Suitability of the Cryopreserved Cells for Somatic Cell Nuclear Transfer. <i>Cellular Reprogramming</i> , 2018, 20, 157-163.	0.5	17
28	The cryoprotective effect of iodixanol in buffalo semen cryopreservation. <i>Animal Reproduction Science</i> , 2017, 179, 20-26.	0.5	21
29	Clinical potential of human-induced pluripotent stem cells. <i>Cell Biology and Toxicology</i> , 2017, 33, 99-112.	2.4	31
30	Cysteamine supplementation revealed detrimental effect on cryosurvival of buffalo sperm based on computer-assisted semen analysis and oxidative parameters. <i>Animal Reproduction Science</i> , 2017, 177, 56-64.	0.5	18
31	Estimation of endogenous levels of osteopontin, total antioxidant capacity and malondialdehyde in seminal plasma: Application for fertility assessment in buffalo (<i>Bubalus bubalis</i>) bulls. <i>Reproduction in Domestic Animals</i> , 2017, 52, 221-226.	0.6	20
32	Assessment of sperm damages during different stages of cryopreservation in water buffalo by fluorescent probes. <i>Cytotechnology</i> , 2016, 68, 451-458.	0.7	29
33	Differentiation of Induced Pluripotent Stem Cells to Lentoid Bodies Expressing a Lens Cell-Specific Fluorescent Reporter. <i>PLoS ONE</i> , 2016, 11, e0157570.	1.1	13
34	Comparative assessment of development competence of zona-intact and zona-free cloned goat embryos produced by innovative micromanipulation tools. <i>Livestock Science</i> , 2016, 190, 43-47.	0.6	1
35	Quantification of leptin in seminal plasma of buffalo bulls and its correlation with antioxidant status, conventional and computer-assisted sperm analysis (CASA) semen variables. <i>Animal Reproduction Science</i> , 2016, 166, 122-127.	0.5	21
36	Induced pluripotent stem cells: Mechanisms, achievements and perspectives in farm animals. <i>World Journal of Stem Cells</i> , 2015, 7, 315.	1.3	40

#	ARTICLE	IF	CITATIONS
37	Liposome-based semen extender is suitable alternative to egg yolk-based extender for cryopreservation of buffalo (<i>Bubalus bubalis</i>) semen. <i>Animal Reproduction Science</i> , 2015, 159, 38-45.	0.5	58
38	Sericin supplementation improves semen freezability of buffalo bulls by minimizing oxidative stress during cryopreservation. <i>Animal Reproduction Science</i> , 2015, 152, 26-31.	0.5	61
39	Derivation and Characterization of Bovine Induced Pluripotent Stem Cells by Transposon-Mediated Reprogramming. <i>Cellular Reprogramming</i> , 2015, 17, 131-140.	0.5	70
40	Buffalo Embryonic, Fetal and Adult Stem Cells: Progress and Challenges. <i>Agricultural Research</i> , 2015, 4, 7-20.	0.9	1
41	Buffalo (<i>Bubalus bubalis</i>) term amniotic-membrane-derived cells exhibited mesenchymal stem cells characteristics in vitro. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2015, 51, 915-921.	0.7	12
42	Transposon-based reprogramming to induced pluripotency. <i>Histology and Histopathology</i> , 2015, 30, 1397-409.	0.5	15
43	Assessment of developmental potential of caprine cloned embryos with ooplasm replenishment under two culture media. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2014, , 1.	0.7	2
44	Developmental potency of pre-implant parthenogenetic goat embryos: effect of activation protocols and culture media. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2014, 50, 1-6.	0.7	13
45	Non-viral reprogramming of fibroblasts into induced pluripotent stem cells by Sleeping Beauty and piggyBac transposons. <i>Biochemical and Biophysical Research Communications</i> , 2014, 450, 581-587.	1.0	39
46	Buffalo (<i>Bubalus bubalis</i>) ES Cell-Like Cells are Capable of <i>In Vitro</i> Skeletal Myogenic Differentiation. <i>Reproduction in Domestic Animals</i> , 2013, 48, 284-291.	0.6	8
47	Cultured buffalo umbilical cord matrix cells exhibit characteristics of multipotent mesenchymal stem cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2013, 49, 408-416.	0.7	12
48	Cryopreservation and Quality Assessment of Buffalo Bull Semen Collected from Farmer's Doorstep. <i>Agricultural Research</i> , 2013, 2, 148-152.	0.9	10
49	Culture, characterization and differentiation of cells from buffalo (<i>Bubalus bubalis</i>) amnion. <i>Cytotechnology</i> , 2013, 65, 23-30.	0.7	21
50	Seminal Plasma Proteome: Promising Biomarkers for Bull Fertility. <i>Agricultural Research</i> , 2012, 1, 78-86.	0.9	27
51	Buffalo (<i>Bubalus bubalis</i>) Fetal Skin Derived Fibroblast Cells Exhibit Characteristics of Stem Cells. <i>Agricultural Research</i> , 2012, 1, 175-182.	0.9	16
52	Buffalo (<i>Bubalus bubalis</i>) Embryonic Stem Cell-Like Cells and Preimplantation Embryos Exhibit Comparable Expression of Pluripotency-Related Antigens. <i>Reproduction in Domestic Animals</i> , 2011, 46, 50-58.	0.6	38
53	Derivation of buffalo embryonic stem-like cells from in vitro-produced blastocysts on homologous and heterologous feeder cells. <i>Journal of Assisted Reproduction and Genetics</i> , 2011, 28, 679-688.	1.2	16
54	Assessment of DNA Damage during <i>In Vitro</i> Development of Buffalo (<i>Bubalus bubalis</i>) Embryos: Effect of Cysteamine. <i>Reproduction in Domestic Animals</i> , 2010, 45, 1118-1121.	0.6	7

#	ARTICLE	IF	CITATIONS
55	Effect of Sodium Nitroprusside, a Nitric Oxide Donor, and Aminoguanidine, a Nitric Oxide Synthase Inhibitor, on <i>In Vitro</i> Development of Buffalo (<i>Bubalus bubalis</i>) Embryos. <i>Reproduction in Domestic Animals</i> , 2009, 45, 931-3.	0.6	7
56	Pregnancies established from handmade cloned blastocysts reconstructed using skin fibroblasts in buffalo (<i>Bubalus bubalis</i>). <i>Theriogenology</i> , 2009, 71, 1215-1219.	0.9	47
57	Hand-Made Cloned Buffalo (<i>Bubalus bubalis</i>) Embryos: Comparison of Different Media and Culture Systems. <i>Cloning and Stem Cells</i> , 2008, 10, 435-442.	2.6	56
58	Cysteamine supplementation of in vitro maturation medium, in vitro culture medium or both media promotes in vitro development of buffalo (<i>Bubalus bubalis</i>) embryos. <i>Reproduction, Fertility and Development</i> , 2008, 20, 253.	0.1	27
59	Empowering of reproductive health of farm animals through genome editing technology. , 0, 2, 4.		2