David N Wells

List of Publications by Year
in descending order

38 papers	2,728 citations	331670 21 h-index	361022 35 g-index
41 all docs	41 docs citations	41 times ranked	1578 citing authors

#	Article	IF	Citations
1	Production of Cloned Calves Following Nuclear Transfer with Cultured Adult Mural Granulosa Cells1. Biology of Reproduction, 1999, 60, 996-1005.	2.7	673
2	Trophectoderm Lineage Determination in Cattle. Developmental Cell, 2011, 20, 244-255.	7.0	269
3	Production of Cloned Lambs from an Established Embryonic Cell Line: A Comparison between In Vivo- and In Vitro-Matured Cytoplasts1. Biology of Reproduction, 1997, 57, 385-393.	2.7	240
4	Cloned transgenic cattle produce milk with higher levels of Î²-casein and Îº-casein. Nature Biotechnology, 2003, 21, 157-162.	17.5	227
5	Adult somatic cell nuclear transfer is used to preserve the last surviving cow of the Enderby Island cattle breed. Reproduction, Fertility and Development, 1998, 10, 369.	0.4	200
6	Cloned Cattle Fetuses with the Same Nuclear Genetics Are More Variable Than Contemporary Half-Siblings Resulting from Artificial Insemination and Exhibit Fetal and Placental Growth Deregulation Even in the First Trimester1. Biology of Reproduction, 2004, 70, 1-11.	2.7	112
7	Donor Cells for Nuclear Cloning: Many Are Called, but Few Are Chosen. Cloning and Stem Cells, 2002, 4, 147-168.	2.6	97
8	Red Deer Cloned from Antler Stem Cells and Their Differentiated Progeny1. Biology of Reproduction, 2007, 77, 384-394.	2.7	94
9	Targeted microRNA expression in dairy cattle directs production of Â-lactoglobulin-free, high-casein milk. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16811-16816.	7.1	91
10	Gene expression profiling of individual bovine nuclear transfer blastocysts. Reproduction, 2006, 131, 1073-1084.	2.6	78
11	Coexistence of Bos taurus and B. indicus Mitochondrial DNAs in Nuclear Transfer-Derived Somatic Cattle Clones. Genetics, 2002, 162, 823-829.	2.9	74
12	Early zygotes are suitable recipients for bovine somatic nuclear transfer and result in cloned offspring. Reproduction, 2006, 132, 839-848.	2.6	63
13	Aggregating Embryonic but Not Somatic Nuclear Transfer Embryos Increases Cloning Efficiency in Cattle1. Biology of Reproduction, 2007, 76, 268-278.	2.7	53
14	Cattle with a precise, zygote-mediated deletion safely eliminate the major milk allergen beta-lactoglobulin. Scientific Reports, 2018, 8, 7661.	3.3	51
15	Simultaneous gene quantitation of multiple genes in individual bovine nuclear transfer blastocysts. Reproduction, 2007, 133, 231-242.	2.6	49
16	Compositional analysis of dairy products derived from clones and cloned transgenic cattle. Theriogenology, 2007, 67, 166-177.	2.1	39
17	Perturbations in the Biochemical Composition of Fetal Fluids Are Apparent in Surviving Bovine Somatic Cell Nuclear Transfer Pregnancies in the First Half of Gestation1. Biology of Reproduction, 2005, 73, 139-148.	2.7	38
18	Insulin-Like Growth Factor-I and Binding Proteins 1, 2, and 3 in Bovine Nuclear Transfer Pregnancies1. Biology of Reproduction, 2004, 70, 430-438.	2.7	37

#	Article	IF	Citations
19	Cloning Cattle. , 2007, 591, 30-57.		35
20	Cloning livestock: a return to embryonic cells. Trends in Biotechnology, 2003, 21, 428-432.	9.3	26
21	Practical Aspects of Donor Cell Selection for Nuclear Cloning. Cloning and Stem Cells, 2002, 4, 169-174.	2.6	24
22	Altered Placental Lactogen and Leptin Expression in Placentomes from Bovine Nuclear Transfer Pregnancies1. Biology of Reproduction, 2004, 71, 1862-1869.	2.7	24
23	DNA Methylation at a Bovine Alpha Satellite I Repeat CpG Site during Development following Fertilization and Somatic Cell Nuclear Transfer. PLoS ONE, 2013, 8, e55153.	2.5	21
24	Quiescence Loosens Epigenetic Constraints in Bovine Somatic Cells and Improves Their Reprogramming into Totipotency. Biology of Reproduction, 2016, 95, 16-16.	2.7	20
25	ES Cell Cycle Rates Affect Gene Targeting Frequencies. Experimental Cell Research, 1997, 231, 296-301.	2.6	13
26	On the enigmatic disappearance of Rauberâ€™s layer. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 16409-16417.	7.1	13
27	Sucrose assists selection of highâ€quality oocytes in pigs. Animal Science Journal, 2018, 89, 880-887.	1.4	12
28	DNA Methylation Patterns Are Appropriately Established in the Sperm of Bulls Generated by Somatic Cell Nuclear Transfer. Cellular Reprogramming, 2011, 13, 171-177.	0.9	11
29	Specific Epiblast Loss and Hypoblast Impairment in Cattle Embryos Sensitized to Survival Signalling by Ubiquitous Overexpression of the Proapoptotic Gene BAD. PLoS ONE, 2014, 9, e96843.	2.5	8
30	Transgenic Cattle Applications: The Transition from Promise to Proof. Biotechnology and Genetic Engineering Reviews, 2006, 22, 125-150.	6.2	7
31	Primary Transgenic Bovine Cells and Their Rejuvenated Cloned Equivalents Show Transgene-Specific Epigenetic Differences. PLoS ONE, 2012, 7, e35619.	2.5	7
32	Embryo Biopsies for Genomic Selection. , 2018, , 81-94.		6
33	Episomal minicircles persist in periods of transcriptional inactivity and can be transmitted through somatic cell nuclear transfer into bovine embryos. Molecular Biology Reports, 2019, 46, 1737-1746.	2.3	4
34	Taillessness in a Cloned Cow is Not Genetically Transmitted. Cellular Reprogramming, 2017, 19, 331-336.	0.9	3
35	Combined refinements to somatic cell nuclear transfer methods improve porcine embryo development. Journal of Reproduction and Development, 2020, 66, 281-286.	1.4	3
36	Transgenic goats producing an improved version of cetuximab in milk. FASEB BioAdvances, 2020, 2, 638-652.	2.4	3

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37	Identification of Animals Produced by Somatic Cell Nuclear Transfer Using DNA Methylation in the Retrotransposon-Like 1 Promoter. Cellular Reprogramming, 2014, 16, 411-417.	0.9	1
38	Establishment of porcine nuclear transfer-derived embryonic stem cells using induced pluripotent stem cells as donor nuclei. Journal of Reproduction and Development, 2020, 66, 163-174.	1.4	1