

Hesam Dehghani

List of Publications by Year in descending order

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77
papers

1,873
citations

430874

18
h-index

276875

41
g-index

87
all docs

87
docs citations

87
times ranked

2848
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Transcription in Pluripotent Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2008, 2, 437-447.	11.1	603
2	Global Chromatin Architecture Reflects Pluripotency and Lineage Commitment in the Early Mouse Embryo. <i>PLoS ONE</i> , 2010, 5, e10531.	2.5	233
3	Mitotic accumulations of PML protein contribute to the re-establishment of PML nuclear bodies in G1. <i>Journal of Cell Science</i> , 2006, 119, 1034-1042.	2.0	93
4	The number of PML nuclear bodies increases in early S phase by a fission mechanism. <i>Journal of Cell Science</i> , 2006, 119, 1026-1033.	2.0	81
5	Organization of chromatin in the interphase mammalian cell. <i>Micron</i> , 2005, 36, 95-108.	2.2	75
6	Cytochrome P450 isoforms are differently up-regulated in aflatoxin B ₁ -exposed human lymphocytes and monocytes. <i>Immunopharmacology and Immunotoxicology</i> , 2014, 36, 1-10.	2.4	46
7	Equine adipose-derived mesenchymal stem cells: phenotype and growth characteristics, gene expression profile and differentiation potentials. <i>Cell Journal</i> , 2015, 16, 456-65.	0.2	42
8	Elucidating chromatin and nuclear domain architecture with electron spectroscopic imaging. <i>Chromosome Research</i> , 2008, 16, 397-412.	2.2	39
9	Generation of an enriched pool of DNA aptamers for an HER2-overexpressing cell line selected by Cell SELEX. <i>Biotechnology and Applied Biochemistry</i> , 2011, 58, 226-230.	3.1	38
10	Utp8p Is an Essential Intranuclear Component of the Nuclear tRNA Export Machinery of <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2003, 278, 32236-32245.	3.4	33
11	CRISPR/Cas9 Knockout Strategies to Ablate CCAT1 lncRNA Gene in Cancer Cells. <i>Biological Procedures Online</i> , 2018, 20, 21.	2.9	33
12	BORIS: a key regulator of cancer stemness. <i>Cancer Cell International</i> , 2018, 18, 154.	4.1	30
13	Changes in Chromatin Fiber Density as a Marker for Pluripotency. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2010, 75, 245-249.	1.1	29
14	Perspective: Cooperation of Nanog, NF- κ B, and CXCR4 in a regulatory network for directed migration of cancer stem cells. <i>Tumor Biology</i> , 2016, 37, 1559-1565.	1.8	27
15	GST-M1 is transcribed more so than AKR7A2 in AFB ₁ -exposed human monocytes and lymphocytes. <i>Journal of Immunotoxicology</i> , 2015, 12, 194-198.	1.7	25
16	Immunobiologically relevant level of aflatoxin B1 alters transcription of key functional immune genes, phagocytosis and survival of human dendritic cells. <i>Immunology Letters</i> , 2018, 197, 44-52.	2.5	24
17	Effects of disruption of the embryonic alkaline phosphatase gene on preimplantation development of the mouse. <i>Developmental Dynamics</i> , 2000, 217, 440-448.	1.8	23
18	Expression profile of protein kinase C isozymes in preimplantation mouse development. <i>Reproduction</i> , 2005, 130, 441-451.	2.6	21

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19	Expression profile analysis of two antisense lncRNAs to improve prognosis prediction of colorectal adenocarcinoma. <i>Cancer Cell International</i> , 2019, 19, 278.	4.1	18
20	Naturally Occurring Level of Aflatoxin B ₁ Injures Human, Canine and Bovine Leukocytes Through ATP Depletion and Caspase Activation. <i>International Journal of Toxicology</i> , 2020, 39, 30-38.	1.2	17
21	Construction and Characterization of a New Recombinant Vector to Remove Sulfate Repression of dsz Promoter Transcription in Biodesulfurization of Dibenzothiophene. <i>Frontiers in Microbiology</i> , 2018, 9, 1578.	3.5	16
22	Expression dynamics of pluripotency genes in chicken primordial germ cells before and after colonization of the genital ridges. <i>Molecular Reproduction and Development</i> , 2013, 80, 849-861.	2.0	15
23	Variation in Blood and Colorectal Epithelia's Key Trace Elements Along with Expression of Mismatch Repair Proteins from Localized and Metastatic Colorectal Cancer Patients. <i>Biological Trace Element Research</i> , 2020, 194, 66-75.	3.5	15
24	Stemness Signature of Equine Marrow-derived Mesenchymal Stem Cells. <i>International Journal of Stem Cells</i> , 2017, 10, 93-102.	1.8	15
25	Subcellular localization of protein kinase C $\hat{\gamma}$ and $\hat{\mu}$ affects transcriptional and post-transcriptional processes in four-cell mouse embryos. <i>Reproduction</i> , 2005, 130, 453-465.	2.6	14
26	The molecular signature and spermatogenesis potential of newborn chicken spermatogonial stem cells in vitro. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2015, 51, 415-425.	1.5	13
27	Design, development, and evaluation of the efficacy of a nucleic acid-free version of a bacterial ghost candidate vaccine against avian pathogenic <i>E. coli</i> (APEC) O78:K80 serotype. <i>Veterinary Research</i> , 2020, 51, 144.	3.0	13
28	Optimizing the synthesis and purification of MS2 virus like particles. <i>Scientific Reports</i> , 2021, 11, 19851.	3.3	13
29	Promoter methylation, transcription, and retrotransposition of LINE-1 in colorectal adenomas and adenocarcinomas. <i>Cancer Cell International</i> , 2020, 20, 426.	4.1	12
30	Cell-cell interaction in a coculture system consisting of CRISPR/Cas9 mediated GFP knock-in HUVECs and MG-63 cells in alginate-GelMA based nanocomposites hydrogel as a 3D scaffold. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 1596-1606.	4.0	12
31	Leptin mRNA in bovine spermatozoa. <i>Research in Veterinary Science</i> , 2011, 90, 439-442.	1.9	11
32	Equine bone marrow-derived mesenchymal stem cells: optimization of cell density in primary culture. <i>Stem Cell Investigation</i> , 2018, 5, 31-31.	3.0	10
33	The design and application of a bacterial ghost vaccine to evaluate immune response and defense against avian pathogenic <i>Escherichia coli</i> O2:K1 serotype. <i>Research in Veterinary Science</i> , 2019, 125, 153-161.	1.9	9
34	Regulation of Chromatin Organization in Cell Stemness: The Emerging Role of Long Non-coding RNAs. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 2042-2053.	3.8	9
35	Transcript Isoforms of Promyelocytic Leukemia in Mouse Male and Female Gametes. <i>Cells Tissues Organs</i> , 2010, 192, 374-381.	2.3	8
36	Comparing and controlling of three batch distillation column configurations for separating tertiary zeotropic mixtures. <i>Scientia Iranica</i> , 2012, 19, 1672-1681.	0.4	8

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37	Data on environmentally relevant level of aflatoxin B1-induced human dendritic cells' functional alteration. <i>Data in Brief</i> , 2018, 18, 1576-1580.	1.0	8
38	A novel approach towards obesity: The use of a bacterial product, gassericin A, in 3T3-L1 cells. <i>Obesity Research and Clinical Practice</i> , 2021, 15, 499-505.	1.8	8
39	A Survey on the Frequency of Foot-and-Mouth Disease Virus Carriers in Cattle in North-East of Iran by RT-PCR: Implications for Revising Disease Control Strategy. <i>Transboundary and Emerging Diseases</i> , 2012, 59, 482-489.	3.0	7
40	Sodium selenite increases the transcript levels of iodothyronine deiodinases I and II in ovine and bovine fetal thyrocytes in vitro. <i>Journal of Trace Elements in Medicine and Biology</i> , 2013, 27, 213-220.	3.0	7
41	Bracken-fern Extracts Induce Cell Cycle Arrest and Apoptosis in Certain Cancer Cell Lines. <i>Asian Pacific Journal of Cancer Prevention</i> , 2012, 13, 6047-6053.	1.2	7
42	Decellularized bovine aorta as a promising 3D elastin scaffold for vascular tissue engineering applications. <i>Regenerative Medicine</i> , 2021, 16, 1037-1050.	1.7	7
43	Expression analysis of BORIS during pluripotent, differentiated, cancerous, and non-cancerous cell states. <i>Acta Biochimica Et Biophysica Sinica</i> , 2014, 46, 647-658.	2.0	6
44	Histopathological and immunohistochemical study of rat brain tissue after exposure to mobile phone radiation. <i>Comparative Clinical Pathology</i> , 2015, 24, 1271-1276.	0.7	6
45	Characterization of Truncated dsz Operon Responsible for Dibenzothiophene Biodesulfurization in <i>Rhodococcus</i> sp. FUM94. <i>Applied Biochemistry and Biotechnology</i> , 2018, 184, 885-896.	2.9	6
46	Leptin mRNA expresses in the bull reproductive organ. <i>Veterinary Research Communications</i> , 2009, 33, 823-830.	1.6	5
47	In vitro responses of chicken macrophage-like monocytes following exposure to pathogenic and non-pathogenic <i>E. coli</i> ghosts loaded with a rational design of conserved genetic materials of influenza and Newcastle disease viruses. <i>Veterinary Immunology and Immunopathology</i> , 2016, 176, 5-17.	1.2	5
48	Expression of endogenous retroviruses in pre-implantation stages of bovine embryo. <i>Reproduction in Domestic Animals</i> , 2018, 53, 1405-1414.	1.4	5
49	Caspase-7 deficiency in Chinese hamster ovary cells reduces cell proliferation and viability. <i>Biological Research</i> , 2020, 53, 52.	3.4	5
50	Reverse Genetics Assembly of Newcastle Disease Virus Genome Template Using Asis-Sal-Pac BioBrick Strategy. <i>Biological Procedures Online</i> , 2020, 22, 9.	2.9	5
51	Effect of different corn processing methods on starch gelatinization, granule structure alternation, rumen kinetic dynamics and starch digestion. <i>Animal Feed Science and Technology</i> , 2020, 268, 114572.	2.2	5
52	Recent Advances in the Scaffold Engineering of Protein Binders. <i>Current Pharmaceutical Biotechnology</i> , 2021, 22, 878-891.	1.6	5
53	From DNA break repair pathways to CRISPR/Cas-mediated gene knock-in methods. <i>Life Sciences</i> , 2022, 295, 120409.	4.3	5
54	Microanatomical study of testis in juvenile ostrich (<i>Struthio camelus</i>). <i>Anatomical Science International</i> , 2013, 88, 134-140.	1.0	4

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55	Glial cell derived neurotrophic factor induces spermatogonial stem cell marker genes in chicken mesenchymal stem cells. <i>Tissue and Cell</i> , 2016, 48, 235-241.	2.2	4
56	CRISPR/dCas9-mediated transposition with specificity and efficiency of site-directed genomic insertions. <i>FASEB Journal</i> , 2021, 35, e21359.	0.5	4
57	Genetically engineered birds; pre-CRISPR and CRISPR era. <i>Biology of Reproduction</i> , 2021, , .	2.7	4
58	Transposase-CRISPR mediated targeted integration (TransCRISTI) in the human genome. <i>Scientific Reports</i> , 2022, 12, 3390.	3.3	4
59	Short communication: Quantitative comparison of iodothyronine deiodinase I and II mRNA expression in ovine tissues. <i>Research in Veterinary Science</i> , 2013, 95, 891-893.	1.9	3
60	A bioinformatic approach to check the spatial epitope structure of an immunogenic protein coded by DNA vaccine plasmids. <i>Journal of Theoretical Biology</i> , 2015, 380, 315-320.	1.7	3
61	Employing XIAP to Enhance the Duration of Antigen Expression and Immunity Against an Avian Influenza H5 DNA Vaccine. <i>Immunological Investigations</i> , 2015, 44, 199-215.	2.0	3
62	Enhancement of chondrogenic differentiation potential of equine adipose tissue-derived mesenchymal stem cells using TGF- β 3 and BMP-6. <i>Turkish Journal of Biology</i> , 2016, 40, 360-368.	0.8	3
63	Meiotic initiation in chicken germ cells is regulated by Cyp26b1 and mesonephros. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2019, 332, 269-278.	1.3	3
64	Morphological development of testes in ostrich (<i>Struthio camelus</i>) embryo. <i>Anatomical Science International</i> , 2014, 89, 129-139.	1.0	2
65	Construction and Quantitative Validation of Chicken CXCR4 Expression Reporter. <i>Molecular Biotechnology</i> , 2016, 58, 202-211.	2.4	2
66	Morphological development of ovaries in ostrich (<i>Struthio camelus</i>) embryo. <i>Comparative Clinical Pathology</i> , 2015, 24, 1185-1191.	0.7	1
67	Paternal breed effects on expression of IGF-II, BAK1 and BCL2-L1 in bovine preimplantation embryos. <i>Zygote</i> , 2015, 23, 712-721.	1.1	1
68	Strong expression of interleukin-17 is associated with higher histologic grades in canine mammary carcinoma. <i>Comparative Clinical Pathology</i> , 2017, 26, 477-481.	0.7	1
69	Down-regulation of Halr1 during induced differentiation of embryonal carcinoma P19 cells. <i>Biocell</i> , 2019, 43, 145-154.	0.7	1
70	PSIX-23 Physicochemical properties and starch gelatinization affected by corn grain processed using super-conditioned pelleting, extruding and puffing. <i>Journal of Animal Science</i> , 2020, 98, 413-414.	0.5	1
71	PSIX-17 Investigation of rumen starch and protein degradation kinetics in relation to corn processed by super-conditioned pelleting, extruding and puffing. <i>Journal of Animal Science</i> , 2020, 98, 412-413.	0.5	0
72	Data on analysis of OCC-1 transcript levels in pluripotent and differentiated states of P19 cells. <i>Data in Brief</i> , 2020, 29, 105367.	1.0	0

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73	Immunocytochemistry in Early Mammalian Embryos. , 0, , .		0
74	Light and Electron Microscopic Features of the Kidney in Hedgehog (Hemiechinus auritus). Journal of Veterinary Anatomy, 2012, 5, 91-106.	0.1	0
75	Quantitative analysis of RNA abundance for CTCF during reprogramming of bovine embryo from oocyte to blastocyst. Archives Animal Breeding, 2015, 58, 171-175.	1.4	0
76	Ultrastructure of ovarian germ cells in the ostrich (Struthio camelus) embryo. Bulgarian Journal of Veterinary Medicine, 2019, 22, 266-274.	0.3	0
77	Ostrich () primordial germ cells in embryonic blood and presumptive gonad: characterization by PAS and immunohistochemistry. Iranian Journal of Veterinary Research, 2019, 20, 299-303.	0.4	0