

# 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	Transposase-CRISPR mediated targeted integration (TransCRISTI) in the human genome. Scientific Reports, 2022, 12, 3390.	3.3	4
2	From DNA break repair pathways to CRISPR/Cas-mediated gene knock-in methods. Life Sciences, 2022, 295, 120409.	4.3	5
3	CRISPR/dCas9-mediated transposition with specificity and efficiency of site-directed genomic insertions. FASEB Journal, 2021, 35, e21359.	0.5	4
4	Recent Advances in the Scaffold Engineering of Protein Binders. Current Pharmaceutical Biotechnology, 2021, 22, 878-891.	1.6	5
5	Regulation of Chromatin Organization in Cell Stemness: The Emerging Role of Long Non-coding RNAs. Stem Cell Reviews and Reports, 2021, 17, 2042-2053.	3.8	9
6	A novel approach towards obesity: The use of a bacterial product, gassericin A, in 3T3-L1 cells. Obesity Research and Clinical Practice, 2021, 15, 499-505.	1.8	8
7	Genetically engineered birds; pre-CRISPR and CRISPR era. Biology of Reproduction, 2021, , .	2.7	4
8	Optimizing the synthesis and purification of MS2 virus like particles. Scientific Reports, 2021, 11, 19851.	3.3	13
9	Decellularized bovine aorta as a promising 3D elastin scaffold for vascular tissue engineering applications. Regenerative Medicine, 2021, 16, 1037-1050.	1.7	7
10	Variation in Blood and Colorectal Epithelia's Key Trace Elements Along with Expression of Mismatch Repair Proteins from Localized and Metastatic Colorectal Cancer Patients. Biological Trace Element Research, 2020, 194, 66-75.	3.5	15
11	Naturally Occurring Level of Aflatoxin B <sub>1</sub> Injures Human, Canine and Bovine Leukocytes Through ATP Depletion and Caspase Activation. International Journal of Toxicology, 2020, 39, 30-38.	1.2	17
12	Caspase-7 deficiency in Chinese hamster ovary cells reduces cell proliferation and viability. Biological Research, 2020, 53, 52.	3.4	5
13	Promoter methylation, transcription, and retrotransposition of LINE-1 in colorectal adenomas and adenocarcinomas. Cancer Cell International, 2020, 20, 426.	4.1	12
14	PSIX-17 Investigation of rumen starch and protein degradation kinetics in relation to corn processed by super-conditioned pelleting, extruding and puffing. Journal of Animal Science, 2020, 98, 412-413.	0.5	0
15	Design, development, and evaluation of the efficacy of a nucleic acid-free version of a bacterial ghost candidate vaccine against avian pathogenic E. coli (APEC) O78:K80 serotype. Veterinary Research, 2020, 51, 144.	3.0	13
16	Reverse Genetics Assembly of Newcastle Disease Virus Genome Template Using Asis-Sal-Pac BioBrick Strategy. Biological Procedures Online, 2020, 22, 9.	2.9	5
17	Effect of different corn processing methods on starch gelatinization, granule structure alternation, rumen kinetic dynamics and starch digestion. Animal Feed Science and Technology, 2020, 268, 114572.	2.2	5
18	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. Journal of Biomedical Materials Research - Part A, 2020, 108, 1596-1606.	4.0	12

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19	Data on analysis of OCC-1 transcript levels in pluripotent and differentiated states of P19 cells. Data in Brief, 2020, 29, 105367.	1.0	0
20	PSIX-23 Physicochemical properties and starch gelatinization affected by corn grain processed using super-conditioned pelleting, extruding and puffing. Journal of Animal Science, 2020, 98, 413-414.	0.5	1
21	Expression profile analysis of two antisense lncRNAs to improve prognosis prediction of colorectal adenocarcinoma. Cancer Cell International, 2019, 19, 278.	4.1	18
22	Meiotic initiation in chicken germ cells is regulated by Cyp26b1 and mesonephros. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2019, 332, 269-278.	1.3	3
23	The design and application of a bacterial ghost vaccine to evaluate immune response and defense against avian pathogenic Escherichia coli O2:K1 serotype. Research in Veterinary Science, 2019, 125, 153-161.	1.9	9
24	Down-regulation of Halr1 during induced differentiation of embryonal carcinoma P19 cells. Biocell, 2019, 43, 145-154.	0.7	1
25	Ultrastructure of ovarian germ cells in the ostrich (Struthio camelus) embryo. Bulgarian Journal of Veterinary Medicine, 2019, 22, 266-274.	0.3	0
26	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
27	Immunobiologically relevant level of aflatoxin B1 alters transcription of key functional immune genes, phagocytosis and survival of human dendritic cells. Immunology Letters, 2018, 197, 44-52.	2.5	24
28	Characterization of Truncated dsz Operon Responsible for Dibenzothiophene Biodesulfurization in Rhodococcus sp. FUM94. Applied Biochemistry and Biotechnology, 2018, 184, 885-896.	2.9	6
29	Equine bone marrow-derived mesenchymal stem cells: optimization of cell density in primary culture. Stem Cell Investigation, 2018, 5, 31-31.	3.0	10
30	CRISPR/Cas9 Knockout Strategies to Ablate CCAT1 lncRNA Gene in Cancer Cells. Biological Procedures Online, 2018, 20, 21.	2.9	33
31	BORIS: a key regulator of cancer stemness. Cancer Cell International, 2018, 18, 154.	4.1	30
32	Data on environmentally relevant level of aflatoxin B1-induced human dendritic cells' functional alteration. Data in Brief, 2018, 18, 1576-1580.	1.0	8
33	Expression of endogenous retroviruses in pre-implantation stages of bovine embryo. Reproduction in Domestic Animals, 2018, 53, 1405-1414.	1.4	5
34	Construction and Characterization of a New Recombinant Vector to Remove Sulfate Repression of dsz Promoter Transcription in Biodesulfurization of Dibenzothiophene. Frontiers in Microbiology, 2018, 9, 1578.	3.5	16
35	Strong expression of interleukin-17 is associated with higher histologic grades in canine mammary carcinoma. Comparative Clinical Pathology, 2017, 26, 477-481.	0.7	1
36	Stemness Signature of Equine Marrow-derived Mesenchymal Stem Cells. International Journal of Stem Cells, 2017, 10, 93-102.	1.8	15

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37	Enhancement of chondrogenic differentiation potential of equine adiposetissue-derived mesenchymal stem cells using TGF- $\beta$ 3 and BMP-6. Turkish Journal of Biology, 2016, 40, 360-368.	0.8	3
38	In vitro responses of chicken macrophage-like monocytes following exposure to pathogenic and non-pathogenic E. coli ghosts loaded with a rational design of conserved genetic materials of influenza and Newcastle disease viruses. Veterinary Immunology and Immunopathology, 2016, 176, 5-17.	1.2	5
39	Construction and Quantitative Validation of Chicken CXCR4 Expression Reporter. Molecular Biotechnology, 2016, 58, 202-211.	2.4	2
40	Glial cell derived neurotrophic factor induces spermatogonial stem cell marker genes in chicken mesenchymal stem cells. Tissue and Cell, 2016, 48, 235-241.	2.2	4
41	Perspective: Cooperation of Nanog, NF- $\kappa$ B, and CXCR4 in a regulatory network for directed migration of cancer stem cells. Tumor Biology, 2016, 37, 1559-1565.	1.8	27
42	A bioinformatic approach to check the spatial epitope structure of an immunogenic protein coded by DNA vaccine plasmids. Journal of Theoretical Biology, 2015, 380, 315-320.	1.7	3
43	Histopathological and immunohistochemical study of rat brain tissue after exposure to mobile phone radiation. Comparative Clinical Pathology, 2015, 24, 1271-1276.	0.7	6
44	Morphological development of ovaries in ostrich (Struthio camelus) embryo. Comparative Clinical Pathology, 2015, 24, 1185-1191.	0.7	1
45	Paternal breed effects on expression of IGF-II, BAK1 and BCL2-L1 in bovine preimplantation embryos. Zygote, 2015, 23, 712-721.	1.1	1
46	The molecular signature and spermatogenesis potential of newborn chicken spermatogonial stem cells in vitro. In Vitro Cellular and Developmental Biology - Animal, 2015, 51, 415-425.	1.5	13
47	GST-M1 is transcribed moreso than AKR7A2 in AFB <sub>1</sub> -exposed human monocytes and lymphocytes. Journal of Immunotoxicology, 2015, 12, 194-198.	1.7	25
48	Employing XIAP to Enhance the Duration of Antigen Expression and Immunity Against an Avian Influenza H5 DNA Vaccine. Immunological Investigations, 2015, 44, 199-215.	2.0	3
49	Equine adipose-derived mesenchymal stem cells: phenotype and growth characteristics, gene expression profile and differentiation potentials. Cell Journal, 2015, 16, 456-65.	0.2	42
50	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
51	Expression analysis of BORIS during pluripotent, differentiated, cancerous, and non-cancerous cell states. Acta Biochimica Et Biophysica Sinica, 2014, 46, 647-658.	2.0	6
52	Morphological development of testes in ostrich (Struthio camelus) embryo. Anatomical Science International, 2014, 89, 129-139.	1.0	2
53	Cytochrome P450 isoforms are differently up-regulated in aflatoxin B <sub>1</sub> -exposed human lymphocytes and monocytes. Immunopharmacology and Immunotoxicology, 2014, 36, 1-10.	2.4	46
54	Microanatomical study of testis in juvenile ostrich (Struthio camelus). Anatomical Science International, 2013, 88, 134-140.	1.0	4

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55	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
56	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
57	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
58	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
59	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
60	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
61	Light and Electron Microscopic Features of the Kidney in Hedgehog ( <i>Hemiechinus auritus</i> ). <i>Journal of Veterinary Anatomy</i> , 2012, 5, 91-106.	0.1	0
62	Leptin mRNA in bovine spermatozoa. <i>Research in Veterinary Science</i> , 2011, 90, 439-442.	1.9	11
63	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
64	Global Chromatin Architecture Reflects Pluripotency and Lineage Commitment in the Early Mouse Embryo. <i>PLoS ONE</i> , 2010, 5, e10531.	2.5	233
65	Transcript Isoforms of Promyelocytic Leukemia in Mouse Male and Female Gametes. <i>Cells Tissues Organs</i> , 2010, 192, 374-381.	2.3	8
66	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
67	Leptin mRNA expresses in the bull reproductive organ. <i>Veterinary Research Communications</i> , 2009, 33, 823-830.	1.6	5
68	Elucidating chromatin and nuclear domain architecture with electron spectroscopic imaging. <i>Chromosome Research</i> , 2008, 16, 397-412.	2.2	39
69	Global Transcription in Pluripotent Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2008, 2, 437-447.	11.1	603
70	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
71	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
72	Organization of chromatin in the interphase mammalian cell. <i>Micron</i> , 2005, 36, 95-108.	2.2	75

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73	Expression profile of protein kinase C isozymes in preimplantation mouse development. <i>Reproduction</i> , 2005, 130, 441-451.	2.6	21
74	Subcellular localization of protein kinase C $\delta$ and $\mu$ affects transcriptional and post-transcriptional processes in four-cell mouse embryos. <i>Reproduction</i> , 2005, 130, 453-465.	2.6	14
75	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
76	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
77	Immunocytochemistry in Early Mammalian Embryos. , 0, , .		0