Paul E Mozdziak

List of Publications by Citations

115 papers	1,210 citations	19 h-index	31 g-index
132 ext. papers	1,663 ext. citations	3.5 avg, IF	4.63 L-index

#	Paper	IF	Citations
115	Hyperammonemia in cirrhosis induces transcriptional regulation of myostatin by an NF-B-mediated mechanism. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 18162-7	11.5	144
114	Photobiomodulation-Underlying Mechanism and Clinical Applications. *Journal of Clinical Medicine*, **2020**, 9,	5.1	78
113	Localization of metmyoglobin-reducing enzyme (NADH-cytochrome b(5) reductase) system components in bovine skeletal muscle. *Meat Science*, **1995**, 39, 205-13	6.4	70
112	Status of transgenic chicken models for developmental biology. *Developmental Dynamics*, **2004**, 229, 414-21	2.9	64
111	Inclusion Biogenesis, Methods of Isolation and Clinical Application of Human Cellular Exosomes. *Journal of Clinical Medicine*, **2020**, 9,	5.1	51
110	CA125 expression in spontaneous ovarian adenocarcinomas from laying hens. *Gynecologic Oncology* , **2007**, 104, 192-8	4.9	47
109	Satellite Cells Contribution to Exercise Mediated Muscle Hypertrophy and Repair. *Cell Journal*, **2017** , 18, 473-484	2.4	47
108	Biogenesis of Selenium Nanoparticles Using Green Chemistry. *Topics in Current Chemistry*, **2017**, 375, 88	7.2	36
107	Early posthatch starvation induces myonuclear apoptosis in chickens. *Journal of Nutrition*, **2002**, 132, 901-3	4.1	36
106	Blood-borne stem cells differentiate into vascular and cardiac lineages during normal development. *Stem Cells and Development*, **2006**, 15, 17-28	4.4	33
105	Bone Regeneration, Reconstruction and Use of Osteogenic Cells; from Basic Knowledge, Animal Models to Clinical Trials. *Journal of Clinical Medicine*, **2020**, 9,	5.1	30
104	Human Umbilical Vein Endothelial Cells (HUVECs) Co-Culture with Osteogenic Cells: From Molecular Communication to Engineering Prevascularised Bone Grafts. *Journal of Clinical Medicine*, **2019**, 8,	5.1	30
103	Satellite cells express distinct patterns of myogenic proteins in immature skeletal muscle. *Developmental Dynamics*, **2006**, 235, 3230-9	2.9	29
102	Species variations in cDNA sequence and exon splicing patterns in the extensible I-band region of cardiac titin: relation to passive tension. *Journal of Muscle Research and Cell Motility*, **2002**, 23, 473-82	3.5	27
101	Measuring the intra-individual variability of the plasma proteome in the chicken model of spontaneous ovarian adenocarcinoma. *Analytical and Bioanalytical Chemistry*, **2010**, 398, 737-49	4.4	24
100	Avian embryos and related cell lines: A convenient platform for recombinant proteins and vaccine production. *Biotechnology Journal*, **2017**, 12, 1600598	5.6	22
99	The Proliferation and Differentiation of Adipose-Derived Stem Cells in Neovascularization and Angiogenesis. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	22

98	Important signals regulating coronary artery angiogenesis. *Microvascular Research*, **2018**, 117, 1-9	3.7	22
97	Transgenic chickens expressing beta-galactosidase hydrolyze lactose in the intestine. *Journal of Nutrition*, **2003**, 133, 3076-9	4.1	22
96	The Role of the Adipokines in the Most Common Gestational Complications. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	19
95	Human Wharton's Jelly-Cellular Specificity, Stemness Potency, Animal Models, and Current Application in Human Clinical Trials. *Journal of Clinical Medicine*, **2020**, 9,	5.1	18
94	Differential ammonia metabolism and toxicity between avian and mammalian species, and effect of ammonia on skeletal muscle: A comparative review. *Journal of Animal Physiology and Animal Nutrition*, **2019**, 103, 774-785	2.6	16
93	Placental Lactogen as a Marker of Maternal Obesity, Diabetes, and Fetal Growth Abnormalities: Current Knowledge and Clinical Perspectives. *Journal of Clinical Medicine*, **2020**, 9,	5.1	16
92	COVID-19 Pandemic Is a Call to Search for Alternative Protein Sources as Food and Feed: A Review of Possibilities. *Nutrients*, **2021**, 13,	6.7	15
91	Satellite Cell Mitotic Activity of Broilers Fed Differing Levels of Lysine. *International Journal of Poultry Science*, **2004**, 3, 758-763	0.3	14
90	The incredible, edible, and therapeutic egg. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 1739-40	11.5	13
89	The evolution of chicken stem cell culture methods. *British Poultry Science*, **2017**, 58, 681-686	1.9	12
88	The effect of hyperammonemia on myostatin and myogenic regulatory factor gene expression in broiler embryos. *Animal*, **2015**, 9, 992-9	3.1	11
87	The Stemness of Human Ovarian Granulosa Cells and the Role of Resveratrol in the Differentiation of MSCs-A Review Based on Cellular and Molecular Knowledge. *Cells*, **2020**, 9,	7.9	11
86	Myonuclear apoptosis occurs during early posthatch starvation. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2003**, 135, 677-81	2.3	11
85	In Vitro Cultures of Adipose-Derived Stem Cells: An Overview of Methods, Molecular Analyses, and Clinical Applications. *Cells*, **2020**, 9,	7.9	11
84	Differential expression of genes characterizing myofibre phenotype. *Animal Genetics*, **2012**, 43, 298-308	2.5	9
83	Glyceraldehyde-3-phosphate dehydrogenase expression varies with age and nutrition status. *Nutrition*, **2003**, 19, 438-40	4.8	9
82	CRISPR/Cas9 in Cancer Immunotherapy: Animal Models and Human Clinical Trials. *Genes*, **2020**, 11,	4.2	8
81	Ammonia elicits a different myogenic response in avian and murine myotubes. *In Vitro Cellular and Developmental Biology - Animal*, **2017**, 53, 99-110	2.6	7

80	Identification of the lacZ insertion site and beta-galactosidase expression in transgenic chickens. *Cell and Tissue Research*, **2006**, 324, 41-53	4.2	7
79	Evidence for existence of molecular stemness markers in porcine ovarian follicular granulosa cells. *Medical Journal of Cell Biology (discontinued)*, **2019**, 7, 183-188	0.6	7
78	Stemness Potency of Human Gingival Cells-Application in Anticancer Therapies and Clinical Trials. *Cells*, **2020**, 9,	7.9	7
77	Human Granulosa Cells-Stemness Properties, Molecular Cross-Talk and Follicular Angiogenesis. *Cells*, **2021**, 10,	7.9	7
76	The method of chicken whole embryo culture using the eggshell windowing, surrogate eggshell and ex ovo culture system. *British Poultry Science*, **2018**, 59, 240-244	1.9	7
75	Epithelial cell tumors of the hen reproductive tract. *Avian Diseases*, **2014**, 58, 95-101	1.6	6
74	Ovarian follicular cells - living in the shadow of stemness cellular competence. *Medical Journal of Cell Biology (discontinued)*, **2019**, 7, 134-140	0.6	6
73	The processes of cellular growth, aging, and programmed cell death are involved in lifespan of ovarian granulosa cells during short-term IVC - Study based on animal model. *Theriogenology*, **2020**, 148, 76-88	2.8	5
72	Immunoglobulin J chain as a non-invasive indicator of pregnancy in the cheetah (Acinonyx jubatus). *PLoS ONE*, **2020**, 15, e0225354	3.7	5
71	Z-band and M-band titin splicing and regulation by RNA binding motif 20 in striated muscles. *Journal of Cellular Biochemistry*, **2018**, 119, 9986-9996	4.7	5
70	An introductory undergraduate course covering animal cell culture techniques. *Biochemistry and Molecular Biology Education*, **2004**, 32, 319-22	1.3	5
69	Designing A Transgenic Chicken: Applying New Approaches toward A Promising Bioreactor. *Cell Journal*, **2020**, 22, 133-139	2.4	5
68	Human Cumulus Cells in Long-Term In Vitro Culture Reflect Differential Expression Profile of Genes Responsible for Planned Cell Death and Aging-A Study of New Molecular Markers. *Cells*, **2020**, 9,	7.9	5
67	An in vitro study on oocyte and follicles of transplanted ovaries treated with vascular endothelial growth factor. *Journal of the Turkish German Gynecology Association*, **2017**, 18, 167-173	1.1	5
66	Current clinical applications of adipose-derived stem cells in humans and animals. *Medical Journal of Cell Biology (discontinued)*, **2019**, 7, 105-111	0.6	5
65	Expression of Selected Connexin and Aquaporin Genes and Real-Time Proliferation of Porcine Endometrial Luminal Epithelial Cells in Primary Culture Model. *BioMed Research International*, **2020**, 2020, 7120375	3	4
64	Epigenetic Research in Stem Cell Bioengineering-Anti-Cancer Therapy, Regenerative and Reconstructive Medicine in Human Clinical Trials. *Cancers*, **2020**, 12,	6.6	4
63	Characterization of TTN Novex Splicing Variants across Species and the Role of RBM20 in Novex-Specific Exon Splicing. *Genes*, **2018**, 9,	4.2	4

62	Hatchability of chicken embryos following somite manipulation. *BioTechniques*, **2003**, 34, 1128-30	2.5	4
61	Retroviral labeling is an appropriate marker for dividing cells. *Biotechnic and Histochemistry*, **2000**, 75, 141-6	1.8	4
60	Myogenic Response to Increasing Concentrations of Ammonia Differs between Mammalian, Avian, and Fish Species: Cell Differentiation and Genetic Study. *Genes*, **2020**, 11,	4.2	4
59	Molecular Mechanisms Associated with ROS-Dependent Angiogenesis in Lower Extremity Artery Disease. *Antioxidants*, **2021**, 10,	7.1	4
58	Chemoprevention of spontaneous ovarian cancer in the domestic hen. *Poultry Science*, **2017**, 96, 1901-1909	3.9	3
57	MitoQ10 induces adipogenesis and oxidative metabolism in myotube cultures. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2011**, 158, 125-31	2.3	3
56	Human Dental Pulp Stem Cells: recent findings and current research. *Medical Journal of Cell Biology (discontinued)*, **2019**, 7, 119-124	0.6	3
55	Cortical Granule Distribution and Expression Pattern of Genes Regulating Cellular Component Size, Morphogenesis, and Potential to Differentiation are Related to Oocyte Developmental Competence and Maturational Capacity In Vivo and In Vitro. *Genes*, **2020**, 11,	4.2	3
54	Avian Satellite Cell Plasticity. *Animals*, **2020**, 10,	3.1	3
53	Transcriptomic analysis of expression of genes regulating cell cycle progression in porcine ovarian granulosa cells during short-term in vitro primary culture. *Histochemistry and Cell Biology*, **2020**, 153, 397-412	2.4	3
52	Photobiomodulation with Red and Near-Infrared Light Improves Viability and Modulates Expression of Mesenchymal and Apoptotic-Related Markers in Human Gingival Fibroblasts. *Materials*, **2021**, 14,	3.5	3
51	Human Ovarian Granulosa Cells Isolated during an IVF Procedure Exhibit Differential Expression of Genes Regulating Cell Division and Mitotic Spindle Formation. *Journal of Clinical Medicine*, **2019**, 8,	5.1	3
50	Ovarian Cancer and Cancer Stem Cells-Cellular and Molecular Characteristics, Signaling Pathways, and Usefulness as a Diagnostic Tool in Medicine and Oncology. *Cancers*, **2021**, 13,	6.6	3
49	Glutamine synthetase in avian muscle contributes to a positive myogenic response to ammonia compared with mammalian muscle. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2019**, 317, R214-R221	3.2	2
48	Skeletal Muscle and the Effects of Ammonia Toxicity in Fish, Mammalian, and Avian Species: A Comparative Review Based on Molecular Research. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	2
47	The impact of scheduled cage cleaning on older hens (Gallus gallus). *Lab Animal*, **2010**, 39, 210-5	0.4	2
46	Mesenchymal Stem/Stromal Cells Derived from Human and Animal Perinatal Tissues-Origins, Characteristics, Signaling Pathways, and Clinical Trials.. *Cells*, **2021**, 10,	7.9	2
45	Small Extracellular Vesicles and COVID19-Using the "Trojan Horse" to Tackle the Giant.. *Cells*, **2021**, 10,	7.9	2

44	Biochemical properties of cofactor and coenzyme metabolism in porcine oviductal epithelial cells a microarray study. *Medical Journal of Cell Biology (discontinued)*, **2019**, 7, 125-133	0.6	2
43	Application potential and plasticity of human stem cells. *Medical Journal of Cell Biology (discontinued)*, **2019**, 7, 140-145	0.6	2
42	Apoptosis-related genes expression in primary in vitro culture of human ovarian granulosa cells. *Medical Journal of Cell Biology (discontinued)*, **2020**, 8, 176-182	0.6	2
41	Avian Somitic Cell Chimeras Using Surrogate Eggshell Technology. *Asian-Australasian Journal of Animal Sciences*, **2008**, 21, 801-806	2.4	2
40	Muscle Cell Morphogenesis, Structure, Development and Differentiation Processes Are Significantly Regulated during Human Ovarian Granulosa Cells In Vitro Cultivation. *Journal of Clinical Medicine*, **2020**, 9,	5.1	2
39	Fetomaternal Expression of Glucose Transporters (GLUTs)Biochemical, Cellular and Clinical Aspects. *Nutrients*, **2022**, 14, 2025	6.7	2
38	Production of Transgenic Poultry **2014**, 335-357		1
37	Cell-based approaches in drug development a concise review. *Medical Journal of Cell Biology (discontinued)*, **2020**, 8, 44-49	0.6	1
36	Trophoblast stem cells - methods of isolation, histological and cellular characteristic, and their possible applications in human and animal models. *Medical Journal of Cell Biology (discontinued)*, **2020**, 8, 95-100	0.6	1
35	Transcriptomic Profile of New Gene Markers Encoding Proteins Responsible for Structure of Porcine Ovarian Granulosa Cells. *Biology*, **2021**, 10,	4.9	1
34	Analysis of TGFB1, CD105 and FSP1 expression in human granulosa cells during a 7-day primary in vitro culture. *Medical Journal of Cell Biology (discontinued)*, **2020**, 8, 152-157	0.6	1
33	Genes regulating hormone stimulus and response to protein signaling revealed differential expression pattern during porcine oocyte in vitro maturation, confirmed by lipid concentration. *Histochemistry and Cell Biology*, **2020**, 154, 77-95	2.4	1
32	Expression of the apoptosis regulatory gene family in the long-term in vitro cultured human cumulus cells. *Medical Journal of Cell Biology (discontinued)*, **2021**, 9, 8-13	0.6	1
31	Telomerase Activity and Myogenesis Ability as an Indicator of Cultured Turkey Satellite Cell Ability for In Vitro Meat Production. *Medical Journal of Cell Biology (discontinued)*, **2021**, 9, 19-26	0.6	1
30	Histological evaluation of the effect of VEGF on auto-transplanted mouse ovaries. *Animal Cells and Systems*, **2016**, 20, 260-266	2.3	1
29	Mesenchymal stem cells and their secretome -candidates for safe and effective therapy for systemic lupus erythematosus. *Medical Journal of Cell Biology (discontinued)*, **2021**, 9, 110-122	0.6	1
28	In search of markers useful for evaluation of graft patency - molecular analysis of muscle system processfor internal thoracic artery and saphenous vein conduits. *Medical Journal of Cell Biology (discontinued)*, **2020**, 8, 12-23	0.6	0
27	Cardiac Stem Cell Therapy, Resident Progenitor Cells and the role of Cellular Signalling; a Review. *Medical Journal of Cell Biology (discontinued)*, **2019**, 7, 112-118	0.6	0

26	Nucleotide, ribonucleotide and ribonucleoside binding belongs to differentially expressed genes in porcine epithelial oviductal cells during longterm primary cultivation. *Medical Journal of Cell Biology (discontinued)*, **2019**, 7, 161-169	0.6	0
25	Transcriptomic profile of genes encoding proteins responsible for regulation of cells differentiation and neurogenesis in vivo and in vitro an oocyte model approach. *Medical Journal of Cell Biology (discontinued)*, **2020**, 8, 1-11	0.6	0
24	Aortocoronary conduits may show a different inflammatory response - comparative study at transcript level. *Medical Journal of Cell Biology (discontinued)*, **2020**, 8, 24-34	0.6	0
23	Study of the expression of genes associated with post-translational changes in histones in the internal thoracic artery and the saphenous vein grafts used in coronary artery bypass grafting procedure. *Medical Journal of Cell Biology (discontinued)*, **2020**, 8, 183-189	0.6	0
22	A highly efficient hybrid peptide ameliorates intestinal inflammation and mucosal barrier damage by neutralizing lipopolysaccharides and antagonizing the lipopolysaccharide-receptor interaction. *FASEB Journal*, **2020**, 34, 16049-16072	0.9	0
21	Histone demethylases JHDM1D, PHF2 and PHF8 expression pattern in granulosa cells obtained from patients undergoing IVF procedure during short-term IVC. *Medical Journal of Cell Biology (discontinued)*, **2021**, 9, 1-7	0.6	0
20	Design and Immunological Evaluation of a Hybrid Peptide as a Potent TLR2 Agonist by Structure-Based Virtual Screening. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 620370	5.7	0
19	Increased transcript expression levels of DNA methyltransferases type 1 and 3A during cardiac muscle long-term cell culture. *Medical Journal of Cell Biology (discontinued)*, **2021**, 9, 27-32	0.6	0
18	Current application of exosomes in medicine. *Medical Journal of Cell Biology (discontinued)*, **2022**, 10, 18-22	0.6	0
17	Approaches for in vitro culture of granulosa cells and ovarian follicles. *Medical Journal of Cell Biology (discontinued)*, **2022**, 10, 34-42	0.6	0
16	IDENTIFICATION OF POULTRY MEAT FROM PORK AND BEEF ON THE BASIS OF THE TITIN PEVK REGION USING PCR. *Journal of Muscle Foods*, **2009**, 20, 341-351		
15	A chicken mRNA similar to heterogeneous nuclear ribonucleoprotein H1. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2004**, 137, 89-94	2.3	
14	SURFACE MORPHOLOGY OF TUMBLED CURED BEEF. *Journal of Muscle Foods*, **1993**, 4, 237-243		
13	New molecular markers involved in immune system homeostasis and hemopoietic organ development are differentially regulated during oocytes in vitro maturation. *Medical Journal of Cell Biology (discontinued)*, **2020**, 8, 35-43	0.6	
12	The processes of homeostasis, chemotaxis and organic and inorganic response are significantly up-regulated during short-term oral mucosal cells in vitro cultivation. *Medical Journal of Cell Biology (discontinued)*, **2020**, 8, 50-59	0.6	
11	Cloning of Japanese Quail (Coturnix japonica) Follistatin and Production of Bioactive Quail Follistatin288 in Escherichia coli. *International Journal of Poultry Science*, **2017**, 17, 8-21	0.3	
10	Z-band and M-band Titin Splicing and Regulation by RBM20 in Striated Muscles. *FASEB Journal*, **2018**, 32, lb19	0.9	
9	Coenzyme and cofactor metabolism belongs to biochemical processes significantly regulated in human granulosa cells collected after IVF during long-term primary in vitro culture. *Medical Journal of Cell Biology (discontinued)*, **2019**, 7, 152-160	0.6	

8	COVID-19 spotlights medical diagnostics. *Science*, **2020**, 368, 839	33.3
7	qPCR analysis of mesenchymal stem cell marker expression during the long-term culture of canine adipocyte derived stem cells. *Medical Journal of Cell Biology (discontinued)*, **2020**, 8, 139-145	0.6
6	The influence of osteogenic differentiation on the stem-like properties of adipose derived stem cells an RT-qPCR study. *Medical Journal of Cell Biology (discontinued)*, **2020**, 8, 158-163	0.6
5	Confirmation of differentiation clusters and endoglin markers preset in porcine buccal mucosa cells. *Medical Journal of Cell Biology (discontinued)*, **2020**, 8, 118-123	0.6
4	Recent findings on perinatal mesenchymal stem cells their possible application in current advanced medicine. *Medical Journal of Cell Biology (discontinued)*, **2021**, 9, 48-55	0.6
3	Transgenic chicken/poultry birds: serving us for survival **2020**, 211-221	
2	New gene markers involved in regulation of granulosa cells development and differentiation towards endodermal and epithelial tissues a new insight into the stemness specificity of ovarian follicular cells. *Medical Journal of Cell Biology (discontinued)*, **2021**, 9, 177-187	0.6
1	Follicular renewal and stemness potency of follicular cells depended of telomerase activity and TERT expression short review. *Medical Journal of Cell Biology (discontinued)*, **2022**, 10, 29-33	0.6