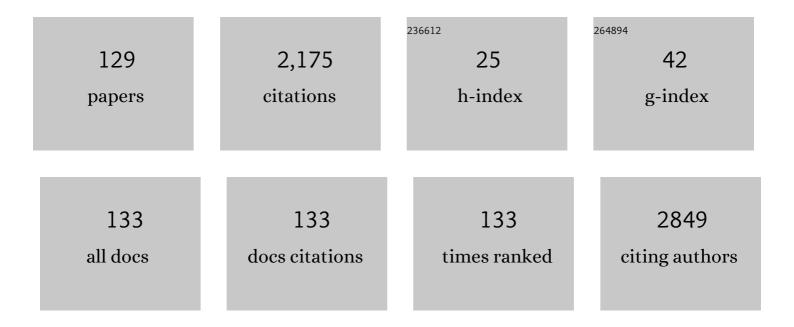
Paul E Mozdziak

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Photobiomodulation—Underlying Mechanism and Clinical Applications. Journal of Clinical Medicine, 2020, 9, 1724.	1.0	240
2	Hyperammonemia in cirrhosis induces transcriptional regulation of myostatin by an NF-κB–mediated mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18162-18167.	3.3	211
3	Inclusion Biogenesis, Methods of Isolation and Clinical Application of Human Cellular Exosomes. Journal of Clinical Medicine, 2020, 9, 436.	1.0	115
4	Localization of metmyoglobin-reducing enzyme (NADH-cytochrome b5 reductase) system components in bovine skeletal muscle. Meat Science, 1995, 39, 205-213.	2.7	88
5	Status of transgenic chicken models for developmental biology. Developmental Dynamics, 2004, 229, 414-421.	0.8	76
6	Satellite Cells Contribution to Exercise Mediated Muscle Hypertrophy and Repair. Cell Journal, 2017, 18, 473-484.	0.2	67
7	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, 1602.	1.0	66
8	Biogenesis of Selenium Nanoparticles Using Green Chemistry. Topics in Current Chemistry, 2017, 375, 88.	3.0	60
9	CA125 expression in spontaneous ovarian adenocarcinomas from laying hens. Gynecologic Oncology, 2007, 104, 192-198.	0.6	54
10	Bone Regeneration, Reconstruction and Use of Osteogenic Cells; from Basic Knowledge, Animal Models to Clinical Trials. Journal of Clinical Medicine, 2020, 9, 139.	1.0	53
11	COVID-19 Pandemic Is a Call to Search for Alternative Protein Sources as Food and Feed: A Review of Possibilities. Nutrients, 2021, 13, 150.	1.7	47
12	The Proliferation and Differentiation of Adipose-Derived Stem Cells in Neovascularization and Angiogenesis. International Journal of Molecular Sciences, 2020, 21, 3790.	1.8	45
13	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, 1418.	1.8	44
14	Early Posthatch Starvation Induces Myonuclear Apoptosis in Chickens. Journal of Nutrition, 2002, 132, 901-903.	1.3	43
15	Human Granulosa Cells—Stemness Properties, Molecular Cross-Talk and Follicular Angiogenesis. Cells, 2021, 10, 1396.	1.8	42
16	The Role of the Adipokines in the Most Common Gestational Complications. International Journal of Molecular Sciences, 2020, 21, 9408.	1.8	41
17	Placental Lactogen as a Marker of Maternal Obesity, Diabetes, and Fetal Growth Abnormalities: Current Knowledge and Clinical Perspectives. Journal of Clinical Medicine, 2020, 9, 1142.	1.0	39
18	Important signals regulating coronary artery angiogenesis. Microvascular Research, 2018, 117, 1-9.	1.1	38

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19	Human Wharton's Jelly—Cellular Specificity, Stemness Potency, Animal Models, and Current Application in Human Clinical Trials. Journal of Clinical Medicine, 2020, 9, 1102.	1.0	38
20	Blood-Borne Stem Cells Differentiate into Vascular and Cardiac Lineages During Normal Development. Stem Cells and Development, 2006, 15, 17-28.	1.1	37
21	Satellite cells express distinct patterns of myogenic proteins in immature skeletal muscle. Developmental Dynamics, 2006, 235, 3230-3239.	0.8	31
22	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, 473-482.	0.9	30
23	Avian embryos and related cell lines: A convenient platform for recombinant proteins and vaccine production. Biotechnology Journal, 2017, 12, 1600598.	1.8	29
24	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.	1.0	29
25	CRISPR/Cas9 in Cancer Immunotherapy: Animal Models and Human Clinical Trials. Genes, 2020, 11, 921.	1.0	27
26	Measuring the intra-individual variability of the plasma proteome in the chicken model of spontaneous ovarian adenocarcinoma. Analytical and Bioanalytical Chemistry, 2010, 398, 737-749.	1.9	25
27	Transgenic Chickens Expressing \hat{l}^2 -Galactosidase Hydrolyze Lactose in the Intestine. Journal of Nutrition, 2003, 133, 3076-3079.	1.3	24
28	Mesenchymal Stem/Stromal Cells Derived from Human and Animal Perinatal Tissues—Origins, Characteristics, Signaling Pathways, and Clinical Trials. Cells, 2021, 10, 3278.	1.8	24
29	In Vitro Cultures of Adipose-Derived Stem Cells: An Overview of Methods, Molecular Analyses, and Clinical Applications. Cells, 2020, 9, 1783.	1.8	22
30	The evolution of chicken stem cell culture methods. British Poultry Science, 2017, 58, 681-686.	0.8	20
31	Satellite Cell Mitotic Activity of Broilers Fed Differing Levels of Lysine. International Journal of Poultry Science, 2004, 3, 758-763.	0.6	17
32	Myonuclear apoptosis occurs during early posthatch starvation. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2003, 135, 677-681.	0.7	14
33	The incredible, edible, and therapeutic egg. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1739-1740.	3.3	14
34	Glyceraldehyde-3-Phosphate Dehydrogenase Expression Varies With Age and Nutrition Status. Nutrition, 2003, 19, 438-440.	1.1	13
35	The effect of hyperammonemia on myostatin and myogenic regulatory factor gene expression in broiler embryos. Animal, 2015, 9, 992-999.	1.3	13
36	Stemness Potency of Human Gingival Cells—Application in Anticancer Therapies and Clinical Trials. Cells. 2020. 9. 1916.	1.8	13

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37	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.	0.8	12
38	Small Extracellular Vesicles and COVID19—Using the "Trojan Horse―to Tackle the Giant. Cells, 2021, 10, 3383.	1.8	12
39	Avian Satellite Cell Plasticity. Animals, 2020, 10, 1322.	1.0	11
40	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, 3427.	1.3	11
41	Evidence for existence of molecular stemness markers in porcine ovarian follicular granulosa cells. Medical Journal of Cell Biology (discontinued), 2019, 7, 183-188.	0.2	11
42	Identification of the lacZ insertion site and beta-galactosidase expression in transgenic chickens. Cell and Tissue Research, 2006, 324, 41-53.	1.5	10
43	Differential expression of genes characterizing myofibre phenotype. Animal Genetics, 2012, 43, 298-308.	0.6	10
44	Zâ€band and Mâ€band titin splicing and regulation by RNA binding motif 20 in striated muscles. Journal of Cellular Biochemistry, 2018, 119, 9986-9996.	1.2	10
45	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, 815.	1.0	10
46	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.	0.9	10
47	Molecular Mechanisms Associated with ROS-Dependent Angiogenesis in Lower Extremity Artery Disease. Antioxidants, 2021, 10, 735.	2.2	10
48	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, 4178.	1.7	10
49	Ovarian follicular cells - living in the shadow of stemness cellular competence. Medical Journal of Cell Biology (discontinued), 2019, 7, 134-140.	0.2	10
50	Transcriptomic Profile of New Gene Markers Encoding Proteins Responsible for Structure of Porcine Ovarian Granulosa Cells. Biology, 2021, 10, 1214.	1.3	10
51	Ammonia elicits a different myogenic response in avian and murine myotubes. In Vitro Cellular and Developmental Biology - Animal, 2017, 53, 99-110.	0.7	9
52	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.	0.8	9
53	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, 4641.	1.8	9
54	An introductory undergraduate course covering animal cell culture techniques. Biochemistry and Molecular Biology Education, 2004, 32, 319-322.	0.5	8

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55	Immunoglobulin J chain as a non-invasive indicator of pregnancy in the cheetah (Acinonyx jubatus). PLoS ONE, 2020, 15, e0225354.	1.1	8
56	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, 1265.	1.8	8
57	Gene Ontology Groups and Signaling Pathways Regulating the Process of Avian Satellite Cell Differentiation. Genes, 2022, 13, 242.	1.0	8
58	Epithelial Cell Tumors of the Hen Reproductive Tract. Avian Diseases, 2014, 58, 95-101.	0.4	7
59	Characterization of TTN Novex Splicing Variants across Species and the Role of RBM20 in Novex-Specific Exon Splicing. Genes, 2018, 9, 86.	1.0	7
60	Current clinical applications of adipose-derived stem cells in humans and animals. Medical Journal of Cell Biology (discontinued), 2019, 7, 105-111.	0.2	7
61	A highly efficient hybrid peptide ameliorates intestinal inflammation and mucosal barrier damage by neutralizing lipopolysaccharides and antagonizing the lipopolysaccharideâ€receptor interaction. FASEB Journal, 2020, 34, 16049-16072.	0.2	7
62	Epigenetic Research in Stem Cell Bioengineering—Anti-Cancer Therapy, Regenerative and Reconstructive Medicine in Human Clinical Trials. Cancers, 2020, 12, 1016.	1.7	7
63	Designing A Transgenic Chicken: Applying New Approaches toward A Promising Bioreactor. Cell Journal, 2020, 22, 133-139.	0.2	7
64	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.	0.2	7
65	Fetomaternal Expression of Glucose Transporters (GLUTs)—Biochemical, Cellular and Clinical Aspects. Nutrients, 2022, 14, 2025.	1.7	7
66	Human Dental Pulp Stem Cells: recent findings and current research. Medical Journal of Cell Biology (discontinued), 2019, 7, 119-124.	0.2	6
67	Hatchability of Chicken Embryos Following Somite Manipulation. BioTechniques, 2003, 34, 1128-1130.	0.8	5
68	Chemoprevention of spontaneous ovarian cancer in the domestic hen. Poultry Science, 2017, 96, 1901-1909.	1.5	5
69	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, 2006.	1.0	5
70	Myogenic Response to Increasing Concentrations of Ammonia Differs between Mammalian, Avian, and Fish Species: Cell Differentiation and Genetic Study. Genes, 2020, 11, 840.	1.0	5
71	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.	0.2	5
72	The Potential of a Protein Model Synthesized Absent of Methionine. Molecules, 2022, 27, 3679.	1.7	5

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73	Retroviral Labeling is an Appropriate Marker for Dividing Cells. Biotechnic and Histochemistry, 2000, 75, 141-146.	0.7	4
74	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, 2026.	1.0	4
75	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.	0.8	4
76	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, 1-15.	0.9	4
77	Avian Somitic Cell Chimeras Using Surrogate Eggshell Technology. Asian-Australasian Journal of Animal Sciences, 2008, 21, 801-806.	2.4	4
78	The impact of scheduled cage cleaning on older hens (Gallus gallus). Lab Animal, 2010, 39, 210-215.	0.2	3
79	MitoQ10 induces adipogenesis and oxidative metabolism in myotube cultures. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2011, 158, 125-131.	0.7	3
80	Production of Transgenic Poultry. , 2014, , 335-357.		3
81	Ammonia Induces a Myostatin-Mediated Atrophy in Mammalian Myotubes, but Induces Hypertrophy in Avian Myotubes. Frontiers in Sustainable Food Systems, 2019, 3, .	1.8	3
82	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.	1.8	3
83	SARS-CoV-2 Genetic Variability and Non-Specific Immunity Associated with the Use of Different BCG Strains—A Molecular and Clinical Approach. Vaccines, 2021, 9, 639.	2.1	3
84	Expression Profile of New Gene Markers and Signaling Pathways Involved in Immunological Processes in Human Cumulus-Oophorus Cells. Genes, 2021, 12, 1369.	1.0	3
85	Expression Profile of Genes Encoding Proteins Involved in Regulation of Vasculature Development and Heart Muscle Morphogenesis—A Transcriptomic Approach Based on a Porcine Model. International Journal of Molecular Sciences, 2021, 22, 8794.	1.8	3
86	Application potential and plasticity of human stem cells. Medical Journal of Cell Biology (discontinued), 2019, 7, 140-145.	0.2	3
87	Factors Influencing Satellite Cell Activity during Skeletal Muscle Development in Avian and Mammalian Species. Asian-Australasian Journal of Animal Sciences, 2008, 21, 456-464.	2.4	3
88	Cell-based approaches in drug development – a concise review. Medical Journal of Cell Biology (discontinued), 2020, 8, 44-49.	0.2	3
89	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.	0.9	2
90	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.	0.2	2

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91	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.	0.2	2
92	Expression Profile of New Marker Genes Involved in Differentiation of Canine Adipose-Derived Stem Cells into Osteoblasts. International Journal of Molecular Sciences, 2021, 22, 6663.	1.8	2
93	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.	0.2	2
94	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.	0.2	2
95	Apoptosis-related genes expression in primary in vitro culture of human ovarian granulosa cells. Medical Journal of Cell Biology (discontinued), 2020, 8, 176-182.	0.2	2
96	Current application of exosomes in medicine. Medical Journal of Cell Biology (discontinued), 2022, 10, 18-22.	0.2	2
97	Approaches for in vitro culture of granulosa cells and ovarian follicles. Medical Journal of Cell Biology (discontinued), 2022, 10, 34-42.	0.2	2
98	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.	0.5	1
99	Histological evaluation of the effect of VEGF on auto-transplanted mouse ovaries. Animal Cells and Systems, 2016, 20, 260-266.	0.8	1
100	New Gene Markers Expressed in Porcine Oviductal Epithelial Cells Cultured Primary In Vitro Are Involved in Ontological Groups Representing Physiological Processes of Porcine Oocytes. International Journal of Molecular Sciences, 2021, 22, 2082.	1.8	1
101	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.	0.2	1
102	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.	0.2	1
103	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.	0.2	1
104	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.	0.2	1
105	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.	0.2	1
106	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.	0.2	1
107	Aortocoronary conduits may show a different inflammatory response - comparative study at transcript level. Medical Journal of Cell Biology (discontinued), 2020, 8, 24-34.	0.2	1
108	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.	0.2	1

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109	In search of markers useful for evaluation of graft patency - molecular analysis of â€~muscle system process' for internal thoracic artery and saphenous vein conduits. Medical Journal of Cell Biology (discontinued), 2020, 8, 12-23.	0.2	1
110	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.	0.2	1
111	Cellular Processes in Human Ovarian Follicles Are Regulated by Expression Profile of New Gene Markers—Clinical Approach. Journal of Clinical Medicine, 2022, 11, 73.	1.0	1
112	Transcriptomic Profile of Genes Regulating the Structural Organization of Porcine Atrial Cardiomyocytes during Primary In Vitro Culture. Genes, 2022, 13, 1205.	1.0	1
113	SURFACE MORPHOLOGY OF TUMBLED CURED BEEF. Journal of Muscle Foods, 1993, 4, 237-243.	0.5	0
114	A chicken mRNA similar to heterogeneous nuclear ribonucleoprotein H1. Comparative Biochemistry and Molecular Biology, 2004, 137, 89-94.	0.7	0
115	Transgenic chicken/poultry birds: serving us for survival. , 2020, , 211-221.		0
116	New Gene Markers Involved in Molecular Processes of Tissue Repair, Response to Wounding and Regeneration Are Differently Expressed in Fibroblasts from Porcine Oral Mucosa during Long-Term Primary Culture. Animals, 2020, 10, 1938.	1.0	0
117	Recent findings on perinatal mesenchymal stem cells – their possible application in current advanced medicine. Medical Journal of Cell Biology (discontinued), 2021, 9, 48-55.	0.2	0
118	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.	0.6	0
119	Zâ€band and Mâ€band Titin Splicing and Regulation by RBM20 in Striated Muscles. FASEB Journal, 2018, 32, lb19.	0.2	0
120	COVID-19 spotlights medical diagnostics. Science, 2020, 368, 839-839.	6.0	0
121	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.	0.2	0
122	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.	0.2	0
123	Confirmation of differentiation clusters' and endoglin markers preset in porcine buccal mucosa cells. Medical Journal of Cell Biology (discontinued), 2020, 8, 118-123.	0.2	0
124	Transcriptomic and Morphological Analysis of Cells Derived from Porcine Buccal Mucosa—Studies on an In Vitro Model. Animals, 2021, 11, 15.	1.0	0
125	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.	0.2	0
126	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.	0.2	0

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127	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.	0.2	0
128	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.	0.2	0
129	The Influence of L-Methionine, DL-Methionine, and a Methionine Hydroxy Analog on Proliferation and Differentiation Potential of Avian Myoblasts. Medical Journal of Cell Biology (discontinued), 2022, 10, 69-82.	0.2	0