

# Dorota Bukowska

## List of Publications by Year in descending order

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84  
papers

867  
citations

516215

16  
h-index

713013

21  
g-index

84  
all docs

84  
docs citations

84  
times ranked

583  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of selected transcript levels in porcine spermatozoa, oocytes, zygotes and two-cell stage embryos. <i>Reproduction, Fertility and Development</i> , 2008, 20, 513.	0.1	46
2	Genes Involved in the Processes of Cell Proliferation, Migration, Adhesion, and Tissue Development as New Potential Markers of Porcine Granulosa Cellular Processes <i>In Vitro</i> : A Microarray Approach. <i>DNA and Cell Biology</i> , 2019, 38, 549-560.	0.9	32
3	The morphology of porcine oocytes is associated with zona pellucida glycoprotein transcript contents. <i>Reproductive Biology</i> , 2009, 9, 79-85.	0.9	28
4	Cytoplasmic and nuclear maturation of oocytes in mammals – living in the shadow of cells developmental capability. <i>Medical Journal of Cell Biology (discontinued)</i> , 2018, 6, 13-17.	0.2	25
5	Characteristic of factors influencing the proper course of folliculogenesis in mammals. <i>Medical Journal of Cell Biology (discontinued)</i> , 2018, 6, 33-38.	0.2	24
6	Mesenchymal Stem/Stromal Cells Derived from Human and Animal Perinatal Tissues – Origins, Characteristics, Signaling Pathways, and Clinical Trials. <i>Cells</i> , 2021, 10, 3278.	1.8	24
7	Assessment of zona pellucida glycoprotein and integrin transcript contents in porcine oocytes. <i>Reproductive Biology</i> , 2009, 9, 71-78.	0.9	21
8	The Unique Mechanisms of Cellular Proliferation, Migration and Apoptosis are Regulated through Oocyte Maturation – A Complete Transcriptomic and Histochemical Study. <i>International Journal of Molecular Sciences</i> , 2019, 20, 84.	1.8	21
9	Endoscopic off-pump aortic valve replacement: does the pericardial cuff improve the sutureless closure of left ventricular access?. <i>European Journal of Cardio-thoracic Surgery</i> , 2007, 31, 22-25.	0.6	20
10	New Gene Markers of Angiogenesis and Blood Vessels Development in Porcine Ovarian Granulosa Cells during Short-Term Primary Culture <i>In Vitro</i> . <i>BioMed Research International</i> , 2019, 2019, 1-12.	0.9	20
11	Differential expression of GDF9, TGFB1, TGFB2 and TGFB3 in porcine oocytes isolated from follicles of different size before and after culture <i>in vitro</i> . <i>Acta Veterinaria Hungarica</i> , 2013, 61, 99-115.	0.2	19
12	Morphogenesis-related gene-expression profile in porcine oocytes before and after <i>in vitro</i> maturation. <i>Zygote</i> , 2017, 25, 331-340.	0.5	19
13	Follicular Size is Associated with the Levels of Transcripts and Proteins of Selected Molecules Responsible for the Fertilization Ability of Oocytes of Puberal Gilts. <i>Journal of Reproduction and Development</i> , 2009, 55, 588-593.	0.5	18
14	–Cell Migration–Is the Ontology Group Differentially Expressed in Porcine Oocytes Before and After <i>In Vitro</i> Maturation: A Microarray Approach. <i>DNA and Cell Biology</i> , 2017, 36, 273-282.	0.9	18
15	Time- and Dose-Dependent Effects of 17 Beta-Estradiol on Short-Term, Real-Time Proliferation and Gene Expression in Porcine Granulosa Cells. <i>BioMed Research International</i> , 2017, 2017, 1-9.	0.9	18
16	Genes of cellular components of morphogenesis in porcine oocytes before and after IVM. <i>Reproduction</i> , 2017, 154, 535-545.	1.1	16
17	New Molecular Markers Involved in Regulation of Ovarian Granulosa Cell Morphogenesis, Development and Differentiation during Short-Term Primary <i>In Vitro</i> Culture – Transcriptomic and Histochemical Study Based on Ovaries and Individual Separated Follicles. <i>International Journal of Molecular Sciences</i> . 2019, 20, 3966.	1.8	16
18	New markers for regulation of transcription and macromolecule metabolic process in porcine oocytes during <i>in vitro</i> maturation. <i>Molecular Medicine Reports</i> , 2020, 21, 1537-1551.	1.1	16

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19	Amino acids metabolism and degradation is regulated during porcine oviductal epithelial cells (OECs) primary culture in vitro – a signaling pathways activation approach. Medical Journal of Cell Biology (discontinued), 2018, 6, 18-26.	0.2	15
20	Response to abiotic and organic substances stimulation belongs to ontologic groups significantly up-regulated in porcine immature oocytes. Medical Journal of Cell Biology (discontinued), 2018, 6, 91-100.	0.2	15
21	Ontology groups representing angiogenesis and blood vessels development are highly up-regulated during porcine oviductal epithelial cells long-term real-time proliferation – a primary cell culture approach. Medical Journal of Cell Biology (discontinued), 2018, 6, 186-194.	0.2	15
22	Real-time proliferation of porcine cumulus cells is related to the protein levels and cellular distribution of Cdk4 and Cx43. Theriogenology, 2013, 80, 411-420.	0.9	14
23	Closure of left ventricle perforation with the use of muscular VSD occluder. European Journal of Cardio-thoracic Surgery, 2005, 27, 714-716.	0.6	13
24	Expression pattern of new genes regulating female sex differentiation and in vitro maturational status of oocytes in pigs. Theriogenology, 2018, 121, 122-133.	0.9	13
25	Short-term Cultivation of Porcine Cumulus Cells Influences the Cyclin-dependent Kinase 4 (Cdk4) and Connexin 43 (Cx43) Protein Expression – A Real-time Cell Proliferation Approach. Journal of Reproduction and Development, 2013, 59, 339-345.	0.5	13
26	Genes involved in angiogenesis and circulatory system development are differentially expressed in porcine epithelial oviductal cells during long-term primary in vitro culture – a transcriptomic study. Medical Journal of Cell Biology (discontinued), 2018, 6, 163-173.	0.2	13
27	Epithelium morphogenesis and oviduct development are regulated by significant increase of expression of genes after long-term in vitro primary culture – a microarray assays. Medical Journal of Cell Biology (discontinued), 2018, 6, 195-204.	0.2	13
28	Influence of Estradiol-17beta on Progesterone and Estrogen Receptor mRNA Expression in Porcine Follicular Granulosa Cells during Short-Term, <i>In Vitro</i> Real-Time Cell Proliferation. BioMed Research International, 2016, 2016, 1-8.	0.9	12
29	Expression of genes associated with BMP signaling pathway in porcine oocytes before and after IVM – a microarray approach. Reproductive Biology and Endocrinology, 2017, 15, 43.	1.4	12
30	Does Porcine Oocytes Maturation in Vitro is Regulated by Genes Involved in Transforming Growth Factor Beta Receptor Signaling Pathway?. Advances in Cell Biology, 2017, 5, 1-14.	1.5	11
31	Significant Down-Regulation of –Biological Adhesion–Genes in Porcine Oocytes after IVM. International Journal of Molecular Sciences, 2017, 18, 2685.	1.8	11
32	–Positive Regulation of RNA Metabolic Process–Ontology Group Highly Regulated in Porcine Oocytes Matured <i>In Vitro</i> : A Microarray Approach. BioMed Research International, 2018, 2018, 1-10.	0.9	11
33	–Biological Adhesion– is a Significantly Regulated Molecular Process during Long-Term Primary <i>In Vitro</i> Culture of Oviductal Epithelial Cells (Oecs): A Transcriptomic and Proteomic Study. International Journal of Molecular Sciences, 2019, 20, 3387.	1.8	11
34	Protein oligomerization is the biochemical process highly up-regulated in porcine oocytes before in vitro maturation (IVM). Medical Journal of Cell Biology (discontinued), 2018, 6, 155-162.	0.2	11
35	Expression and Cellular Distribution of INHA and INHB before and after <i>In Vitro</i> Cultivation of Porcine Oocytes Isolated from Follicles of Different Size. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-8.	3.0	10
36	Positive Regulation of Macromolecule Metabolic Process Belongs to the Main Mechanisms Crucial for Porcine Oocytes Maturation. Advances in Cell Biology, 2017, 5, 15-31.	1.5	10

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37	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. <i>Genes</i> , 2020, 11, 815.	1.0	10
38	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. <i>Theriogenology</i> , 2020, 148, 76-88.	0.9	10
39	Selected molecular and physiological aspects of mammalian ovarian granulosa cells in primary culture. <i>Medycyna Weterynaryjna</i> , 2016, 72, 723-727.	0.0	10
40	Expression Changes in Fatty acid Metabolic Process-related Genes in Porcine Oocytes During in Vitro Maturation. <i>Medical Journal of Cell Biology (discontinued)</i> , 2018, 6, 48-54.	0.2	10
41	Transcriptomic Profile of New Gene Markers Encoding Proteins Responsible for Structure of Porcine Ovarian Granulosa Cells. <i>Biology</i> , 2021, 10, 1214.	1.3	10
42	Analysis of fructose and mannose – regulatory peptides signaling pathway in porcine epithelial oviductal cells (OECs) primary cultured long-term in vitro. <i>Advances in Cell Biology</i> , 2017, 5, 129-135.	1.5	9
43	Transcriptomic analysis of expression of genes regulating cell cycle progression in porcine ovarian granulosa cells during short-term in vitro primary culture. <i>Histochemistry and Cell Biology</i> , 2020, 153, 397-412.	0.8	9
44	–Bone Development–Is an Ontology Group Upregulated in Porcine Oocytes Before <i>In Vitro</i> Maturation: A Microarray Approach. <i>DNA and Cell Biology</i> , 2017, 36, 638-646.	0.9	8
45	The blood vessels development, morphogenesis and blood circulation are three ontologic groups highly up-regulated in porcine oocytes before in vitro maturation. <i>Advances in Cell Biology</i> , 2017, 5, 135-142.	1.5	8
46	The differentiation and transdifferentiation of epithelial cells in vitro – is it a new strategy in regenerative biomedicine?. <i>Medical Journal of Cell Biology (discontinued)</i> , 2018, 6, 27-32.	0.2	8
47	Transcriptomic Pattern of Genes Regulating Protein Response and Status of Mitochondrial Activity Are Related to Oocyte Maturational Competence – A Transcriptomic Study. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2238.	1.8	8
48	Ion homeostasis and transport are regulated by genes differentially expressed in porcine buccal pouch mucosal cells during long-term culture <i>in vitro</i> – a microarray approach. <i>Medical Journal of Cell Biology (discontinued)</i> , 2018, 6, 75-82.	0.2	8
49	Expression of integrins and GDF9 mRNAs is associated with ovarian follicle size and donor puberty status in pigs. <i>Medycyna Weterynaryjna</i> , 2016, 72, 750-754.	0.0	8
50	Gene Ontology Groups and Signaling Pathways Regulating the Process of Avian Satellite Cell Differentiation. <i>Genes</i> , 2022, 13, 242.	1.0	8
51	Expression and cellular distribution of cyclin-dependent kinase 4 (Cdk4) and connexin 43 (Cx43) in porcine oocytes before and after in vitro maturation. <i>Acta Veterinaria Hungarica</i> , 2014, 62, 84-95.	0.2	7
52	Fatty Acids Related Genes Expression Undergo Substantial Changes in Porcine Oviductal Epithelial Cells During Long-Term Primary Culture. <i>Medical Journal of Cell Biology (discontinued)</i> , 2018, 6, 39-47.	0.2	7
53	Expression and cellular distribution of estrogen and progesterone receptors and the real-time proliferation of porcine cumulus cells. <i>Zygote</i> , 2015, 23, 836-845.	0.5	6
54	Expression of INH <sup>2</sup> A and INH <sup>2</sup> B proteins in porcine oocytes cultured <i>in vitro</i> is dependent on the follicle size. <i>Zygote</i> , 2015, 23, 205-211.	0.5	6

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55	Does migrative and proliferative capability of epithelial cells reflect cellular developmental competence?. <i>Medical Journal of Cell Biology (discontinued)</i> , 2018, 6, 1-7.	0.2	6
56	The use of mesenchymal stem cells in veterinary medicine. <i>Medical Journal of Cell Biology (discontinued)</i> , 2018, 6, 101-107.	0.2	6
57	“Cell cycle process”, “cell division” and “cell proliferation” belong to ontology groups highly regulated during long-term culture of porcine oviductal epithelial cells. <i>Medical Journal of Cell Biology (discontinued)</i> , 2019, 7, 15-24.	0.2	6
58	Are the levels of Cdk4 and Cx43 proteins of porcine oocytes associated with follicular size?. <i>Animal Biology</i> , 2011, 61, 211-224.	0.6	5
59	Expression and cellular distribution of zona pellucida glycoproteins in canine oocytes before and after in vitro maturation. <i>Zygote</i> , 2015, 23, 863-873.	0.5	5
60	Analysis of expression of genes responsible for regulation of cellular proliferation and migration – microarray approach based on porcine oocyte model. <i>Medical Journal of Cell Biology (discontinued)</i> , 2019, 7, 48-57.	0.2	5
61	Is device closure for direct access valved stent implantation safe?. <i>European Journal of Cardio-thoracic Surgery</i> , 2006, 30, 4-9.	0.6	4
62	Microfluidic Method of Pig Oocyte Quality Assessment in relation to Different Follicular Size Based on Lab-on-Chip Technology. <i>BioMed Research International</i> , 2014, 2014, 1-9.	0.9	4
63	Genes regulating hormone stimulus and response to protein signaling revealed differential expression pattern during porcine oocyte in vitro maturation, confirmed by lipid concentration. <i>Histochemistry and Cell Biology</i> , 2020, 154, 77-95.	0.8	4
64	Expression of Selected Connexin and Aquaporin Genes and Real-Time Proliferation of Porcine Endometrial Luminal Epithelial Cells in Primary Culture Model. <i>BioMed Research International</i> , 2020, 2020, 1-15.	0.9	4
65	Carcinogenesis in mammalian oral mucosa from the perspective of biomedical research. <i>Medycyna Weterynaryjna</i> , 2017, 73, 82-87.	0.0	4
66	Cation homeostasis and transport related gene markers are differentially expressed in porcine buccal pouch mucosal cells during long-term cells primary culture in vitro. <i>Medical Journal of Cell Biology (discontinued)</i> , 2018, 6, 83-90.	0.2	4
67	Stemness specificity of epithelial cells – application of cell and tissue technology in regenerative medicine. <i>Medical Journal of Cell Biology (discontinued)</i> , 2018, 6, 114-119.	0.2	4
68	Transforming growth factor (TGF) – is it a key protein in mammalian reproductive biology?. <i>Medical Journal of Cell Biology (discontinued)</i> , 2018, 6, 125-130.	0.2	4
69	“Cell cycle” and “cell death”- related genes are differentially expressed during long-term in vitro real-time cultivation of porcine oviductal epithelial cells. <i>Medical Journal of Cell Biology (discontinued)</i> , 2019, 7, 90-99.	0.2	4
70	Congenital sternal ectopia cordis in a Limousin calf – a case report. <i>Acta Veterinaria Brno</i> , 2014, 83, 51-54.	0.2	3
71	Selected aspects of endometritis – pyometra complex in dogs – current troubles and treatment perspectives. <i>Medical Journal of Cell Biology (discontinued)</i> , 2018, 6, 108-113.	0.2	3
72	Expression Profile of Genes Encoding Proteins Involved in Regulation of Vasculature Development and Heart Muscle Morphogenesis – A Transcriptomic Approach Based on a Porcine Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8794.	1.8	3

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73	Pathogenesis and pathophysiology of ovarian follicular cysts in mammals. <i>Medical Journal of Cell Biology (discontinued)</i> , 2018, 6, 120-124.	0.2	3
74	Genes regulating programmed cell death are significantly upregulated in porcine immature oocytes. <i>Medical Journal of Cell Biology (discontinued)</i> , 2019, 7, 1-10.	0.2	3
75	Genes encoding proteins regulating fatty acid metabolism and cellular response to lipids are differentially expressed in porcine luminal epithelium during long-term culture. <i>Medical Journal of Cell Biology (discontinued)</i> , 2019, 7, 58-65.	0.2	3
76	Biochemical properties of cofactor and coenzyme metabolism in porcine oviductal epithelial cells – a microarray study. <i>Medical Journal of Cell Biology (discontinued)</i> , 2019, 7, 125-133.	0.2	2
77	Splenic Leiomyoma in Dog. <i>Medical Journal of Cell Biology (discontinued)</i> , 2018, 6, 8-12.	0.2	1
78	Increased transcript expression levels of DNA methyltransferases type 1 and 3A during cardiac muscle long-term cell culture. <i>Medical Journal of Cell Biology (discontinued)</i> , 2021, 9, 27-32.	0.2	1
79	Histone demethylases JHDM1D, PHF2 and PHF8 expression pattern in granulosa cells obtained from patients undergoing IVF procedure during short-term IVC. <i>Medical Journal of Cell Biology (discontinued)</i> , 2021, 9, 1-7.	0.2	1
80	Genes regulating biochemical pathways of oxygen metabolism in porcine oviductal epithelial cells during long-term IVC. <i>Medical Journal of Cell Biology (discontinued)</i> , 2019, 7, 39-47.	0.2	1
81	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. <i>Animals</i> , 2020, 10, 1938.	1.0	0
82	Partial anterior mitral leaflet resection with adjacent ring plication – feasibility pilot study. <i>Medycyna Weterynaryjna</i> , 2016, 72, 369-372.	0.0	0
83	Coexistence of pancreatic adenocarcinoma and a pseudocyst in cat. <i>Medical Journal of Cell Biology (discontinued)</i> , 2019, 7, 25-31.	0.2	0
84	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. <i>Medical Journal of Cell Biology (discontinued)</i> , 2021, 9, 177-187.	0.2	0