Jan Matysiak

List of Publications by Year in descending order

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		331259	360668	
120	1,839	21	35	
papers	citations	h-index	g-index	
122	122	122	2528	
all docs	docs citations	times ranked	citing authors	

#	Article	IF	CITATIONS
1	Gut Microbial Diversity in Women With Polycystic Ovary Syndrome Correlates With Hyperandrogenism. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 1502-1511.	1.8	224
2	Effects of Resveratrol on Polycystic Ovary Syndrome: A Double-blind, Randomized, Placebo-controlled Trial. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 4322-4328.	1.8	116
3	Functional Characterization of MicroRNA-27a-3p Expression in Human Polycystic Ovary Syndrome. Endocrinology, 2018, 159, 297-309.	1.4	50
4	Characterization of honeybee venom by MALDI-TOF and nanoESI-QqTOF mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2011, 54, 273-278.	1.4	49
5	MALDI-TOF-MS analysis in discovery and identification of serum proteomic patterns of ovarian cancer. BMC Cancer, 2017, 17, 472.	1.1	49
6	Challenges in biomarker discovery with MALDI-TOF MS. Clinica Chimica Acta, 2016, 458, 84-98.	0.5	46
7	On the directionality of classically-conditioned glycemic responses. Physiology and Behavior, 1984, 32, 5-9.	1.0	45
8	Usefulness of Amino Acid Profiling in Ovarian Cancer Screening with Special Emphasis on Their Role in Cancerogenesis. International Journal of Molecular Sciences, 2017, 18, 2727.	1.8	42
9	Human Granulosa Cells—Stemness Properties, Molecular Cross-Talk and Follicular Angiogenesis. Cells, 2021, 10, 1396.	1.8	42
10	Urban wastewater analysis as an effective tool for monitoring illegal drugs, including new psychoactive substances, in the Eastern European region. Scientific Reports, 2020, 10, 4885.	1.6	38
11	Wide spectrum targeted metabolomics identifies potential ovarian cancer biomarkers. Life Sciences, 2019, 222, 235-244.	2.0	34
12	Simultaneous Determination of Major Constituents of Honeybee Venom by LC-DAD. Chromatographia, 2009, 69, 1401-1405.	0.7	33
13	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. DNA and Cell Biology, 2019, 38, 549-560.	0.9	32
14	Understanding Ovarian Cancer: iTRAQ-Based Proteomics for Biomarker Discovery. International Journal of Molecular Sciences, 2018, 19, 2240.	1.8	29
15	A Combined Metabolomic and Proteomic Analysis of Gestational Diabetes Mellitus. International Journal of Molecular Sciences, 2015, 16, 30034-30045.	1.8	28
16	Serum lipidome screening in patients with stage I non-small cell lung cancer. Clinical and Experimental Medicine, 2019, 19, 505-513.	1.9	28
17	Shotgun proteome analysis of honeybee venom using targeted enrichment strategies. Toxicon, 2014, 90, 255-264.	0.8	27
18	Expression Profile of Genes Regulating Steroid Biosynthesis and Metabolism in Human Ovarian Granulosa Cellsâ€"A Primary Culture Approach. International Journal of Molecular Sciences, 2017, 18, 2673.	1.8	26

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19	Mass spectrometry-based proteomics techniques and their application in ovarian cancer research. Journal of Ovarian Research, 2018, 11, 88.	1.3	26
20	Multielemental Analysis of Bee Pollen, Propolis, and Royal Jelly Collected in West-Central Poland. Molecules, 2021, 26, 2415.	1.7	26
21	Hyphenated LC–MALDI–ToF/ToF and LC–ESI–QToF approach in proteomic characterization of honeybee venom. Journal of Pharmaceutical and Biomedical Analysis, 2016, 121, 69-76.	1.4	25
22	New CZE-DAD method for honeybee venom analysis and standardization of the product. Analytical and Bioanalytical Chemistry, 2011, 399, 2487-2494.	1.9	21
23	Identification of Serum Peptidome Signatures of Non-Small Cell Lung Cancer. International Journal of Molecular Sciences, 2016, 17, 410.	1.8	21
24	Current and future aspects of several adjunctive treatment strategies in polycystic ovary syndrome. Reproductive Biology, 2019, 19, 309-315.	0.9	21
25	The Unique Mechanisms of Cellular Proliferation, Migration and Apoptosis are Regulated through Oocyte Maturational Development—A Complete Transcriptomic and Histochemical Study. International Journal of Molecular Sciences, 2019, 20, 84.	1.8	21
26	Effects of a Honeybee Sting on the Serum Free Amino Acid Profile in Humans. PLoS ONE, 2014, 9, e103533.	1.1	20
27	Diagnostic Value of Serum Angiogenesis Markers in Ovarian Cancer Using Multiplex Immunoassay. International Journal of Molecular Sciences, 2017, 18, 123.	1.8	20
28	New Gene Markers of Angiogenesis and Blood Vessels Development in Porcine Ovarian Granulosa Cells during Short-Term Primary Culture In Vitro. BioMed Research International, 2019, 2019, 1-12.	0.9	20
29	Genes responsible for proliferation, differentiation, and junction adhesion are significantly up-regulated in human ovarian granulosa cells during a long-term primary in vitro culture. Histochemistry and Cell Biology, 2019, 151, 125-143.	0.8	20
30	Assessing circadian rhythms in propofol PK and PD during prolonged infusion in ICU patients. Journal of Pharmacokinetics and Pharmacodynamics, 2010, 37, 289-304.	0.8	19
31	Application of Metabolomic Tools for Studying Low Molecular-Weight Fraction of Animal Venoms and Poisons. Toxins, 2018, 10, 306.	1.5	17
32	A study of low-molecular-weight organic acid urinary profiles in prostate cancer by a new liquid chromatography-tandem mass spectrometry method. Journal of Pharmaceutical and Biomedical Analysis, 2018, 159, 229-236.	1.4	17
33	Standard methods for <i>Apis mellifera</i> venom research. Journal of Apicultural Research, 2021, 60, 1-31.	0.7	17
34	Inductively coupled plasma mass spectrometry determination of metals in honeybee venom. Journal of Pharmaceutical and Biomedical Analysis, 2008, 48, 955-959.	1.4	16
35	Association between the angiotensin converting enzyme gene insertion/deletion polymorphism and metabolic disturbances in women with polycystic ovary syndrome. Molecular Medicine Reports, 2016, 14, 5401-5407.	1.1	16
36	The Influence of Bee Venom Melittin on the Functioning of the Immune System and the Contractile Activity of the Insect Heartâ€"A Preliminary Study. Toxins, 2019, 11, 494.	1.5	16

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37	Promising Antimicrobial Properties of Bioactive Compounds from Different Honeybee Products. Molecules, 2021, 26, 4007.	1.7	16
38	New markers for regulation of transcription and macromolecule metabolic process in porcine oocytes during in vitro maturation. Molecular Medicine Reports, 2020, 21, 1537-1551.	1.1	16
39	Mass spectrometry as a tool for biomarkers searching in gynecological oncology. Biomedicine and Pharmacotherapy, 2017, 92, 836-842.	2.5	15
40	Extending Metabolomic Studies of Apis mellifera Venom: LC-MS-Based Targeted Analysis of Organic Acids. Toxins, 2020, 12, 14.	1.5	15
41	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
42	Alterations in Serum-Free Amino Acid Profiles in Childhood Asthma. International Journal of Environmental Research and Public Health, 2020, 17, 4758.	1.2	14
43	Application of Principal Component Analysis for evaluation of chemical and antimicrobial properties of honey bee <i>(Apis mellifera)</i>) venom. Journal of Apicultural Research, 2009, 48, 168-175.	0.7	13
44	Pharmacokinetics and pharmacodynamics of propofol and fentanyl in patients undergoing abdominal aortic surgery – a study of pharmacodynamic drug–drug interactions. Biopharmaceutics and Drug Disposition, 2016, 37, 252-263.	1.1	13
45	Expression pattern of new genes regulating female sex differentiation and inÂvitro maturational status of oocytes in pigs. Theriogenology, 2018, 121, 122-133.	0.9	13
46	â€~Heart development and morphogenesis' is a novel pathway for human ovarian granulosa cell differentiation during long‑term in�vitro cultivation‑a microarray approach. Molecular Medicine Reports, 2019, 19, 1705-1715.	1.1	13
47	The Metabolomic Approach Reveals the Alteration in Human Serum and Cerebrospinal Fluid Composition in Parkinson's Disease Patients. Pharmaceuticals, 2021, 14, 935.	1.7	13
48	Elevation of markers of endotoxemia in women with polycystic ovary syndrome. Human Reproduction, 2020, 35, 2303-2311.	0.4	12
49	Cardiometabolic risk in patients with polycystic ovary syndrome Ginekologia Polska, 2015, 86, 840-8.	0.3	12
50	Influence of Time of Day on Propofol Pharmacokinetics and Pharmacodynamics in Rabbits. Chronobiology International, 2011, 28, 318-329.	0.9	11
51	"Biological Adhesion―is a Significantly Regulated Molecular Process during Long-Term Primary In Vitro Culture of Oviductal Epithelial Cells (Oecs): A Transcriptomic and Proteomic Study. International Journal of Molecular Sciences, 2019, 20, 3387.	1.8	11
52	Disparate Relationship of Sexual Satisfaction, Self-Esteem, Anxiety, and Depression with Endocrine Profiles of Women With or Without PCOS. Reproductive Sciences, 2020, 27, 432-442.	1.1	11
53	The Effect of Bee Venom Peptides Melittin, Tertiapin, and Apamin on the Human Erythrocytes Ghosts: A Preliminary Study. Metabolites, 2020, 10, 191.	1.3	11
54	Free Amino Acid Alterations in Patients with Gynecological and Breast Cancer: A Review. Pharmaceuticals, 2021, 14, 731.	1.7	11

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55	The pharmacokinetics of propofol in ICU patients undergoing longâ€term sedation. Biopharmaceutics and Drug Disposition, 2016, 37, 456-466.	1.1	10
56	Sperm midpiece apoptotic markers: impact on fertilizing potential in in vitro fertilization and intracytoplasmic sperm injection. Human Cell, 2016, 29, 67-75.	1.2	10
57	Pharmacokinetics of dexmedetomidine during analgosedation in ICU patients. Journal of Pharmacokinetics and Pharmacodynamics, 2018, 45, 277-284.	0.8	10
58	Relationship between adipocytokines and angiotensin converting enzyme gene insertion/deletion polymorphism in lean women with and without polycystic ovary syndrome. Gynecological Endocrinology, 2020, 36, 496-500.	0.7	10
59	Development of an LC-MS Targeted Metabolomics Methodology to Study Proline Metabolism in Mammalian Cell Cultures. Molecules, 2020, 25, 4639.	1.7	10
60	A new method for determination of hyaluronidase activity in biological samples using capillary zone electrophoresis. Biomedical Chromatography, 2013, 27, 1070-1078.	0.8	9
61	Proteomic features characterization of Hymenoptera venom allergy. Allergy, Asthma and Clinical Immunology, 2019, 15, 77.	0.9	9
62	Identification and quantification of honeybee venom constituents by multiplatform metabolomics. Scientific Reports, 2020, 10, 21645.	1.6	9
63	Overexpression of Prolidase Induces Autophagic Death in MCF-7 Breast Cancer Cells. Cellular Physiology and Biochemistry, 2020, 54, 875-887.	1.1	9
64	Pharmacokinetics and pharmacodynamics of propofol in children undergoing different types of surgeries. Pharmacological Reports, 2014, 66, 821-829.	1.5	8
65	The application of fuzzy statistics and linear discriminant analysis as criteria for optimizing the preparation of plasma for matrix-assisted laser desorption/ionization mass spectrometry peptide profiling. Clinica Chimica Acta, 2015, 448, 174-181.	0.5	8
66	Transcriptomic Pattern of Genes Regulating Protein Response and Status of Mitochondrial Activity Are Related to Oocyte Maturational Competence—A Transcriptomic Study. International Journal of Molecular Sciences, 2019, 20, 2238.	1.8	8
67	Quality of Dietary Supplements Containing Plant-Derived Ingredients Reconsidered by Microbiological Approach. International Journal of Environmental Research and Public Health, 2020, 17, 6837.	1.2	8
68	Serum Metabolomics in PCOS Women with Different Body Mass Index. Journal of Clinical Medicine, 2021, 10, 2811.	1.0	8
69	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
70	Novel markers of human ovarian granulosa cell differentiation toward osteoblast lineage: A microarray approach. Molecular Medicine Reports, 2019, 20, 4403-4414.	1.1	8
71	Effect of growth differentiation factor-9 C447T and G546A polymorphisms on the outcomes of in vitro fertilization. Molecular Medicine Reports, 2016, 13, 4437-4442.	1.1	7
72	MALDI-TOF-MS Analysis in the Identification of Urine Proteomic Patterns of Gestational Trophoblastic Disease. Metabolites, 2019, 9, 30.	1.3	7

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73	MALDI-MSIâ€"A Step Forward in Overcoming the Diagnostic Challenges in Ovarian Tumors. International Journal of Environmental Research and Public Health, 2020, 17, 7564.	1.2	7
74	Serum Free Amino Acid Profiling in Differential Diagnosis of Ovarian Tumors—A Comparative Study with Review of the Literature. International Journal of Environmental Research and Public Health, 2021, 18, 2167.	1.2	7
75	New Biomarkers of Hymenoptera Venom Allergy in a Group of Inflammation Factors. International Journal of Environmental Research and Public Health, 2021, 18, 4011.	1.2	7
76	Expression of genes involved in neurogenesis, and neuronal precursor cell proliferation and development: Novel pathways of human ovarian granulosa cell differentiation and transdifferentiation capability in�vitro. Molecular Medicine Reports, 2020, 21, 1749-1760.	1.1	7
77	Diagnosis of hymenoptera venom allergy-with special emphasis on honeybee (Apis mellifera) venom allergy. Annals of Agricultural and Environmental Medicine, 2013, 20, 875-9.	0.5	7
78	Influence of Honeybee Sting on Peptidome Profile in Human Serum. Toxins, 2015, 7, 1808-1820.	1.5	6
79	Effects of Synbiotic Supplementation and Lifestyle Modifications on Women With Polycystic Ovary Syndrome. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 2566-2573.	1.8	6
80	Mining the Royal Jelly Proteins: Combinatorial Hexapeptide Ligand Library Significantly Improves the MS-Based Proteomic Identification in Complex Biological Samples. Molecules, 2021, 26, 2762.	1.7	6
81	Stimulus-seeking in rats is accompanied by increased c-Fos expression in hippocampal CA1 as well as short 22 kHz and flat 50 kHz calls. Acta Neurobiologiae Experimentalis, 2019, 79, 310-318.	0.4	6
82	Intensified Hyposensitization Is an Effective Treatment of Postorgasmic Illness Syndrome (POIS). Sexual Medicine, 2022, 10, 100474-100474.	0.9	6
83	Analysis of the Serum Profile of Cytokines Involved in the T-Helper Cell Type 17 Immune Response Pathway in Atopic Children with Food Allergy. International Journal of Environmental Research and Public Health, 2022, 19, 7877.	1.2	6
84	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
85	Heterogeneity of Endocrinologic and Metabolic Parameters in Reproductive Age Polycystic Ovary Syndrome (PCOS) Women Concerning the Severity of Hyperandrogenemia—A New Insight on Syndrome Pathogenesis. International Journal of Environmental Research and Public Health, 2020, 17, 9291.	1.2	5
86	Rapid and Accurate Approach for Honeybee Pollen Analysis Using ED-XRF and FTIR Spectroscopy. Molecules, 2021, 26, 6024.	1.7	5
87	PROTEOMIC ANALYSIS OF APIS MELLIFERA VENOM DETERMINED BY LIQUID CHROMATOGRAPHY (LC) COUPLED WITH NANO-LC-MALDI-TOF/TOF MS. Acta Poloniae Pharmaceutica, 2017, 74, 53-65.	0.3	5
88	Determination of 16 serum angiogenic factors in stage I non-small cell lung cancer using a bead-based multiplex immunoassay. Biomedicine and Pharmacotherapy, 2017, 88, 1031-1037.	2.5	4
89	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
90	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

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91	Population Pharmacokinetic Model of Dexmedetomidine in a Heterogeneous Group of Patients. Journal of Clinical Pharmacology, 2020, 60, 1461-1473.	1.0	4
92	Association between Venom Immunotherapy and Changes in Serum Protein—Peptide Patterns. Vaccines, 2021, 9, 249.	2.1	4
93	Immune and clinical response to honeybee venom in beekeepers. Annals of Agricultural and Environmental Medicine, 2016, 23, 120-124.	0.5	4
94	Melatonin and clonidine premedication has similar impact on the pharmacokinetics and pharmacodynamics of propofol target controlledâ€infusions. Journal of Clinical Pharmacology, 2015, 55, 307-316.	1.0	3
95	MALDI-TOF Protein Profiling Reflects Changes in Type 1 Diabetes Patients Depending on the Increased Amount of Adipose Tissue, Poor Control of Diabetes and the Presence of Chronic Complications. International Journal of Environmental Research and Public Health, 2021, 18, 2263.	1.2	3
96	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
97	LC-MS/MS based targeted metabolomics method for analysis of serum and cerebrospinal fluid. Journal of Medical Science, 2019, 88, 12-20.	0.2	3
98	Immune and clinical response to honeybee venom in beekeepers. Annals of Agricultural and Environmental Medicine, 2016, 23, 120-4.	0.5	3
99	Serum angiogenesis profile in gestational trophoblastic neoplasm using multiplex immunoassay. Life Sciences, 2018, 211, 25-30.	2.0	2
100	Assessment of diagnostic utility of multivariate diagnostic models in differential diagnosis of ovarian tumors. Ginekologia Polska, 2018, 89, 568-572.	0.3	2
101	Proteomic and metabolomic strategy of searching for biomarkers of genital cancer diseases using mass spectrometry methods. Journal of Medical Science, 2016, 85, 330-333.	0.2	2
102	Should we use statins in treatment of polycystic ovary syndrome? Expert Review of Endocrinology and Metabolism, 2009, 4, 209-211.	1.2	1
103	The correlation between anti phospholipase A 2 specific IgE and clinical symptoms after a bee sting in beekeepers. Postepy Dermatologii I Alergologii, 2016, 3, 206-210.	0.4	1
104	Ectopic pregnancy: which treatment method least affects fertility?. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2016, 198, 161-162.	0.5	1
105	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
106	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
107	Relationship of Postoperative Pain and PONV after Minimally Invasive Surgery with the Serotonin Concentrations and Receptors' Gene Polymorphisms. Journal of Personalized Medicine, 2021, 11, 833.	1.1	1
108	Proteomic and metabolomic strategy of searching for biomarkers of genital cancer diseases using mass spectrometry methods. Journal of Medical Science, 2016, 85, 330.	0.2	1

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109	Maturation, pharmacogenomics and metabolomics as factors determining pharmacokinetic and pharmacodynamics profile of alphaâ€'agonist in pediatric intensive care unit patients. Journal of Medical Science, 2016, 85, 219.	0.2	1
110	Genes regulating biochemical pathways of oxygen metabolism in porcine oviductal epithelial cells during long-term IVC. Medical Journal of Cell Biology (discontinued), 2019, 7, 39-47.	0.2	1
111	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
112	Proteomic pattern of cervico-vaginal fluid (CVF) in an ovarian cancer diagnosis — pilot study. Ginekologia Polska, 2018, 89, 688-694.	0.3	1
113	Characterization of the selected honeybee products based on omics techniques. Journal of Medical Science, 2019, 88, 129-132.	0.2	1
114	MALDI-TOF MS Characterisation of the Serum Proteomic Profile in Insulin-Resistant Normal-Weight Individuals. Nutrients, 2021, 13, 3853.	1.7	1
115	Cellular Processes in Human Ovarian Follicles Are Regulated by Expression Profile of New Gene Markersâ€"Clinical Approach. Journal of Clinical Medicine, 2022, 11, 73.	1.0	1
116	Population analysis to assess the influence of age and body weight on pharmacokinetics and pharmacodynamics of dexmedetomidine in New Zealand White rabbits. Biopharmaceutics and Drug Disposition, 2020, 41, 307-316.	1.1	0
117	Proteomic analysis of subarachnoid hemorrhage - liquid phase isoelectric focusing in complex protein sample. Journal of Medical Science, 2016, 85, 161.	0.2	0
118	Study of serum metabolic profiles of patients with non-small cell lung cancer with special emphasis on the smoking status of patients. Journal of Medical Science, 2019, 88, 62-65.	0.2	0
119	Mass spectrometry analysis of redox forms of High-Mobility Group Box-1 Protein in cerebrospinal fluid: initial experience Journal of Medical Science, 2019, 88, 171-176.	0.2	0
120	Maternal serum proteomic profiles of pregnant women with type 1 diabetes. Scientific Reports, 2022, 12, .	1.6	0