

Michal Mikula

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

109
papers

2,080
citations

24
h-index

40
g-index

118
ext. papers

2,533
ext. citations

4.8
avg, IF

4.47
L-index

#	Paper	IF	Citations
109	Modeling oncogenic signaling in colon tumors by multidirectional analyses of microarray data directed for maximization of analytical reliability. <i>PLoS ONE</i> , 2010 , 5, e13091	3.7	263
108	The transcription factor encyclopedia. <i>Genome Biology</i> , 2012 , 13, R24	18.3	86
107	Integrating proteomic and transcriptomic high-throughput surveys for search of new biomarkers of colon tumors. <i>Functional and Integrative Genomics</i> , 2011 , 11, 215-24	3.8	80
106	Landscape of the hnRNP K protein-protein interactome. <i>Proteomics</i> , 2006 , 6, 2395-406	4.8	65
105	Quantitative detection for low levels of Helicobacter pylori infection in experimentally infected mice by real-time PCR. <i>Journal of Microbiological Methods</i> , 2003 , 55, 351-9	2.8	58
104	SEL120-34A is a novel CDK8 inhibitor active in AML cells with high levels of serine phosphorylation of STAT1 and STAT5 transactivation domains. <i>Oncotarget</i> , 2017 , 8, 33779-33795	3.3	57
103	Histone H3 lysine 27 acetylation is altered in colon cancer. <i>Clinical Proteomics</i> , 2014 , 11, 24	5	51
102	DNA methylation status is more reliable than gene expression at detecting cancer in prostate biopsy. <i>British Journal of Cancer</i> , 2014 , 111, 781-9	8.7	50
101	CDK8 kinase--An emerging target in targeted cancer therapy. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015 , 1854, 1617-29	4	49
100	Expression changes of cell-cell adhesion-related genes in colorectal tumors. <i>Oncology Letters</i> , 2015 , 9, 2463-2470	2.6	44
99	Limited prolonged effects of rifaximin treatment on irritable bowel syndrome-related differences in the fecal microbiome and metabolome. <i>Gut Microbes</i> , 2016 , 7, 397-413	8.8	40
98	Editing of hnRNP K protein mRNA in colorectal adenocarcinoma and surrounding mucosa. <i>British Journal of Cancer</i> , 2006 , 94, 586-92	8.7	39
97	Molecular defense mechanisms of Barrett's metaplasia estimated by an integrative genomics. <i>Journal of Molecular Medicine</i> , 2007 , 85, 733-43	5.5	38
96	Prolonged transfer of feces from the lean mice modulates gut microbiota in obese mice. <i>Nutrition and Metabolism</i> , 2016 , 13, 57	4.6	37
95	Comprehensive analysis of the palindromic motif TCTCGCGAGA: a regulatory element of the HNRNPK promoter. <i>DNA Research</i> , 2010 , 17, 245-60	4.5	35
94	Obesity increases histone H3 lysine 9 and 18 acetylation at Tnfa and Ccl2 genes in mouse liver. <i>International Journal of Molecular Medicine</i> , 2014 , 34, 1647-54	4.4	30
93	Experimental acute lung injury induces multi-organ epigenetic modifications in key angiogenic genes implicated in sepsis-associated endothelial dysfunction. <i>Critical Care</i> , 2015 , 19, 225	10.8	30

92	IDH1/2 Mutations Predict Shorter Survival in Chondrosarcoma. <i>Journal of Cancer</i> , 2018 , 9, 998-1005	4.5	30
91	Enhanced neuro-therapeutic potential of Wharton's Jelly-derived mesenchymal stem cells in comparison with bone marrow mesenchymal stem cells culture. <i>Cytotherapy</i> , 2016 , 18, 497-509	4.8	29
90	New recurrent BRCA1/2 mutations in Polish patients with familial breast/ovarian cancer detected by next generation sequencing. <i>BMC Medical Genomics</i> , 2015 , 8, 19	3.7	28
89	Association between gynecomastia and aromatase (CYP19) polymorphisms. <i>European Journal of Endocrinology</i> , 2008 , 158, 721-7	6.5	27
88	NrCAM, a neuronal system cell-adhesion molecule, is induced in papillary thyroid carcinomas. <i>British Journal of Cancer</i> , 2007 , 97, 531-8	8.7	26
87	Genetic architecture differences between pediatric and adult-onset inflammatory bowel diseases in the Polish population. <i>Scientific Reports</i> , 2016 , 6, 39831	4.9	26
86	Heterogeneous nuclear ribonucleoprotein K enhances insulin-induced expression of mitochondrial UCP2 protein. <i>Journal of Biological Chemistry</i> , 2004 , 279, 54599-609	5.4	24
85	Heterogeneous nuclear ribonucleoprotein (hnRNP) K genome-wide binding survey reveals its role in regulating 3' end RNA processing and transcription termination at the early growth response 1 (EGR1) gene through XRN2 exonuclease. <i>Journal of Biological Chemistry</i> , 2013 , 288, 24788-98	5.4	23
84	Direct recruitment of ERK cascade components to inducible genes is regulated by heterogeneous nuclear ribonucleoprotein (hnRNP) K. <i>Journal of Biological Chemistry</i> , 2011 , 286, 9763-75	5.4	23
83	Lack of evidence for association of primary sclerosing cholangitis and primary biliary cirrhosis with risk alleles for Crohn's disease in Polish patients. <i>BMC Medical Genetics</i> , 2008 , 9, 81	2.1	23
82	Prediction of fetal blood group and platelet antigens from maternal plasma using next-generation sequencing. <i>Transfusion</i> , 2019 , 59, 1102-1107	2.9	23
81	Comparative kinome analysis to identify putative colon tumor biomarkers. <i>Journal of Molecular Medicine</i> , 2012 , 90, 447-56	5.5	22
80	Helicobacter pylori protein oxidation influences the colonization process. <i>International Journal of Medical Microbiology</i> , 2006 , 296, 321-4	3.7	22
79	Expression of pendrin in benign and malignant human thyroid tissues. <i>British Journal of Cancer</i> , 2005 , 93, 144-51	8.7	22
78	Effect of Saccharomyces boulardii and Mode of Delivery on the Early Development of the Gut Microbial Community in Preterm Infants. <i>PLoS ONE</i> , 2016 , 11, e0150306	3.7	22
77	Tip-alpha (hp0596 gene product) is a highly immunogenic Helicobacter pylori protein involved in colonization of mouse gastric mucosa. <i>Current Microbiology</i> , 2008 , 56, 279-86	2.4	20
76	Mitochondrial-related proteomic changes during obesity and fasting in mice are greater in the liver than skeletal muscles. <i>Functional and Integrative Genomics</i> , 2014 , 14, 245-59	3.8	19
75	Whole-exome sequencing identifies novel pathogenic variants across the ATP7B gene and some modifiers of Wilson's disease phenotype. <i>Liver International</i> , 2019 , 39, 177-186	7.9	19

74	The composition and richness of the gut microbiota differentiate the top Polish endurance athletes from sedentary controls. <i>Gut Microbes</i> , 2020 , 11, 1374-1384	8.8	18
73	The role of the SHH gene in prostate cancer cell resistance to paclitaxel. <i>Prostate</i> , 2014 , 74, 1142-52	4.2	18
72	Increased mitochondrial gene expression during L6 cell myogenesis is accelerated by insulin. <i>International Journal of Biochemistry and Cell Biology</i> , 2005 , 37, 1815-28	5.6	17
71	Candidate diagnostic miRNAs that can detect cancer in prostate biopsy. <i>Prostate</i> , 2018 , 78, 178-185	4.2	17
70	RNA sequencing reveals widespread transcriptome changes in a renal carcinoma cell line. <i>Oncotarget</i> , 2018 , 9, 8597-8613	3.3	17
69	Regulation of the expression of claudin 23 by the enhancer of zeste 2 polycomb group protein in colorectal cancer. <i>Molecular Medicine Reports</i> , 2015 , 12, 728-36	2.9	16
68	Synchronous recruitment of epigenetic modifiers to endotoxin synergistically activated Tnf- α gene in acute kidney injury. <i>PLoS ONE</i> , 2013 , 8, e70322	3.7	16
67	Extracellular matrix and cytochrome P450 gene expression can distinguish steatohepatitis from steatosis in mice. <i>Journal of Cellular and Molecular Medicine</i> , 2014 , 18, 1762-72	5.6	15
66	Serine Biosynthesis Pathway Supports MYC-miR-494-EZH2 Feed-Forward Circuit Necessary to Maintain Metabolic and Epigenetic Reprogramming of Burkitt Lymphoma Cells. <i>Cancers</i> , 2020 , 12,	6.6	14
65	Genome-wide co-localization of active EGFR and downstream ERK pathway kinases mirrors mitogen-inducible RNA polymerase 2 genomic occupancy. <i>Nucleic Acids Research</i> , 2016 , 44, 10150-10164 ^{20.1}	20.1	14
64	A preliminary evaluation of next-generation sequencing as a screening tool for targeted genotyping of erythrocyte and platelet antigens in blood donors. <i>Blood Transfusion</i> , 2018 , 16, 285-292	3.6	14
63	Synthetic lethality between VPS4A and VPS4B triggers an inflammatory response in colorectal cancer. <i>EMBO Molecular Medicine</i> , 2020 , 12, e10812	12	13
62	Exome scale map of genetic alterations promoting metastasis in colorectal cancer. <i>BMC Genetics</i> , 2018 , 19, 85	2.6	13
61	Ectopic overexpression of MCPIP1 impairs adipogenesis by modulating microRNAs. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018 , 1865, 186-195	4.9	12
60	Epigenetic-Mediated Downregulation of E-cadherin in Colorectal Tumours. <i>Gastroenterology Research and Practice</i> , 2015 , 2015, 317093	2	12
59	Casein kinases phosphorylate multiple residues spanning the entire hnRNP K length. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006 , 1764, 299-306	4	12
58	The N-reductive system composed of mitochondrial amidoxime reducing component (mARC), cytochrome b5 (CYB5B) and cytochrome b5 reductase (CYB5R) is regulated by fasting and high fat diet in mice. <i>PLoS ONE</i> , 2014 , 9, e105371	3.7	12
57	PALB2 mutations in BRCA1/2-mutation negative breast and ovarian cancer patients from Poland. <i>BMC Medical Genomics</i> , 2017 , 10, 14	3.7	11

56	A heterozygous mutation in GOT1 is associated with familial macro-aspartate aminotransferase. <i>Journal of Hepatology</i> , 2017 , 67, 1026-1030	13.4	11
55	Lack of miR-378 attenuates muscular dystrophy in mdx mice. <i>JCI Insight</i> , 2020 , 5,	9.9	11
54	Redefining the Practical Utility of Blood Transcriptome Biomarkers in Inflammatory Bowel Diseases. <i>Journal of Crohns and Colitis</i> , 2019 , 13, 626-633	1.5	11
53	Challenges in Stratifying the Molecular Variability of Patient-Derived Colon Tumor Xenografts. <i>BioMed Research International</i> , 2018 , 2018, 2954208	3	11
52	Common functional alterations identified in blood transcriptome of autoimmune cholestatic liver and inflammatory bowel diseases. <i>Scientific Reports</i> , 2019 , 9, 7190	4.9	10
51	A novel approach to genome-wide association analysis identifies genetic associations with primary biliary cholangitis and primary sclerosing cholangitis in Polish patients. <i>BMC Medical Genomics</i> , 2017 , 10, 2	3.7	10
50	Lack of evidence for increased level of circulating urothelial cells in the peripheral blood after transurethral resection of bladder tumors. <i>International Urology and Nephrology</i> , 2012 , 44, 761-7	2.3	10
49	Signatures of circulating microRNA in four sarcoma subtypes. <i>Journal of Cancer</i> , 2020 , 11, 874-882	4.5	9
48	Transcription Factor Prospero Homeobox 1 (PROX1) as a Potential Angiogenic Regulator of Follicular Thyroid Cancer Dissemination. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	9
47	Three clinical variants of gastroesophageal reflux disease form two distinct gene expression signatures. <i>Journal of Molecular Medicine</i> , 2006 , 84, 872-82	5.5	9
46	The diverse involvement of heterogeneous nuclear ribonucleoprotein K in mitochondrial response to insulin. <i>FEBS Letters</i> , 2006 , 580, 1839-45	3.8	9
45	Pre-analytical-related variability influencing serum peptide profiles demonstrated in a mass spectrometry-based search for colorectal and prostate cancer biomarkers.. <i>Acta Biochimica Polonica</i> , 2013 , 60,	2	9
44	Beads-free protein immunoprecipitation for a mass spectrometry-based interactome and posttranslational modifications analysis. <i>Proteome Science</i> , 2015 , 13, 23	2.6	8
43	Protective effect of vaccination with DNA of the H. Pylori genomic library in experimentally infected mice. <i>Cellular and Molecular Biology Letters</i> , 2004 , 9, 483-95	8.1	8
42	Pre-analytical-related variability influencing serum peptide profiles demonstrated in a mass spectrometry-based search for colorectal and prostate cancer biomarkers. <i>Acta Biochimica Polonica</i> , 2013 , 60, 417-25	2	8
41	A Strong Neutrophil Elastase Proteolytic Fingerprint Marks the Carcinoma Tumor Proteome. <i>Molecular and Cellular Proteomics</i> , 2017 , 16, 213-227	7.6	7
40	SYK inhibition targets acute myeloid leukemia stem cells by blocking their oxidative metabolism. <i>Cell Death and Disease</i> , 2020 , 11, 956	9.8	7
39	Large intra- and inter-individual variability of genes expression levels limits potential predictive value of molecular diagnosis of dysplasia in Barrett's esophagus. <i>Journal of Molecular Medicine</i> , 2008 , 86, 233-42	5.5	7

38	Effect of ZnO, TiO ₂ , Al ₂ O ₃ and ZrO ₂ nanoparticles on wheat callus cells. <i>Acta Biochimica Polonica</i> , 2019 , 66, 365-370	2	7
37	Integrative genomics reveal a role for MCPIP1 in adipogenesis and adipocyte metabolism. <i>Cellular and Molecular Life Sciences</i> , 2020 , 77, 4899-4919	10.3	7
36	Keratinocyte-specific ablation of Mecip1 impairs skin integrity and promotes local and systemic inflammation. <i>Journal of Molecular Medicine</i> , 2019 , 97, 1669-1684	5.5	7
35	Challenges in Cancer Biomarker Discovery Exemplified by the Identification of Diagnostic MicroRNAs in Prostate Tissues. <i>BioMed Research International</i> , 2020 , 2020, 9086829	3	6
34	Transcriptional changes between uninflamed ulcerative colitis and familial adenomatous polyposis pouch mucosa can be attributed to an altered immune response. <i>Acta Biochimica Polonica</i> , 2015 , 62, 69-75	7	6
33	PD-L1 Overexpression, SWI/SNF Complex Deregulation, and Profound Transcriptomic Changes Characterize Cancer-Dependent Exhaustion of Persistently Activated CD4 T Cells. <i>Cancers</i> , 2021 , 13,	6.6	6
32	PARP Inhibition Increases the Reliance on ATR/CHK1 Checkpoint Signaling Leading to Synthetic Lethality-An Alternative Treatment Strategy for Epithelial Ovarian Cancer Cells Independent from HR Effectiveness. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
31	Barrett's esophagus associates with a variant of IL23R gene.. <i>Acta Biochimica Polonica</i> , 2008 , 55, 365-369	2	5
30	Mitochondrial amidoxime-reducing component 2 (MARC2) has a significant role in -reductive activity and energy metabolism. <i>Journal of Biological Chemistry</i> , 2019 , 294, 17593-17602	5.4	4
29	Differences between Well-Differentiated Neuroendocrine Tumors and Ductal Adenocarcinomas of the Pancreas Assessed by Multi-Omics Profiling. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
28	Combination Testing Using a Single MSH5 Variant alongside HLA Haplotypes Improves the Sensitivity of Predicting Coeliac Disease Risk in the Polish Population. <i>PLoS ONE</i> , 2015 , 10, e0139197	3.7	4
27	Halogenated imidazole derivatives block RNA polymerase II elongation along mitogen inducible genes. <i>BMC Molecular Biology</i> , 2010 , 11, 4	4.5	4
26	Transcriptomes of human mesenchymal cells isolated from the right ventricle and epicardial fat differ strikingly both directly after isolation and long-term culture. <i>ESC Heart Failure</i> , 2019 , 6, 351-361	3.7	4
25	Mass Spectrometry-Based Comprehensive Analysis of Pancreatic Cyst Fluids. <i>BioMed Research International</i> , 2018 , 2018, 7169595	3	4
24	Noninvasive prenatal HPA-1 typing in HPA-1a negative pregnancies selected in the Polish PREVFNAIT screening program. <i>Transfusion</i> , 2018 , 58, 2705-2711	2.9	4
23	Molecular Signature of Prospero Homeobox 1 (PROX1) in Follicular Thyroid Carcinoma Cells. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	3
22	Downregulation of PTPRH (Sap-1) in colorectal tumors. <i>International Journal of Oncology</i> , 2017 , 51, 841-850	4.1	3
21	Inhibition of PIM Kinases in DLBCL Targets MYC Transcriptional Program and Augments the Efficacy of Anti-CD20 Antibodies. <i>Cancer Research</i> , 2021 , 81, 6029-6043	10.1	3

20	Clinical Applicability of Whole-Exome Sequencing Exemplified by a Study in Young Adults with the Advanced Cryptogenic Cholestatic Liver Diseases. <i>Gastroenterology Research and Practice</i> , 2017 , 2017, 4761962	2	2
19	jChIP: a graphical environment for exploratory ChIP-Seq data analysis. <i>BMC Research Notes</i> , 2014 , 7, 676	2.3	2
18	Antimelanomic Effects of High- and Low-Molecular Weight Bioactive Subfractions Isolated from the Mossy Maze Mushroom, <i>Cerrena unicolor</i> (Agaricomycetes). <i>International Journal of Medicinal Mushrooms</i> , 2017 , 19, 619-628	1.3	2
17	High Prevalence of Genetically Related Strains at a Single Hemato-Oncology Ward Over 10 Years. <i>Frontiers in Microbiology</i> , 2020 , 11, 1618	5.7	2
16	Higher EU-TIRADS-Score Correlated with BRAF V600E Positivity in the Early Stage of Papillary Thyroid Carcinoma. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	2
15	Higher genome variability within metabolism genes associates with recurrent <i>Clostridium difficile</i> infection. <i>BMC Microbiology</i> , 2021 , 21, 36	4.5	2
14	Concurrent depletion of Vps37 proteins evokes ESCRT-I destabilization and profound cellular stress responses. <i>Journal of Cell Science</i> , 2021 , 134,	5.3	2
13	Mutational Mosaics of Cell-Free DNA from Pancreatic Cyst Fluids. <i>Digestive Diseases and Sciences</i> , 2020 , 65, 2294-2301	4	1
12	Prediction of fetal blood group antigens from maternal plasma using Ion AmpliSeq HD technology.. <i>Transfusion</i> , 2022 ,	2.9	1
11	SEL120 - a First-in-Class CDK8/19 Inhibitor As a Novel Option for the Treatment of Acute Myeloid Leukemia and High-Risk Myelodysplastic Syndrome - Data from Preclinical Studies and Introduction to a Phase Ib Clinical Trial. <i>Blood</i> , 2019 , 134, 2651-2651	2.2	1
10	Limited Practical Utility of Liquid Biopsy in the Treated Patients with Advanced Breast Cancer. <i>Diagnostics</i> , 2020 , 10,	3.8	1
9	Mutation Profiling of Premalignant Colorectal Neoplasia. <i>Gastroenterology Research and Practice</i> , 2019 , 2019, 2542640	2	1
8	Discovery of indazole-pyridinone derivatives as a novel class of potent and selective MNK1/2 kinase inhibitors that protecting against endotoxin-induced septic shock. <i>European Journal of Medicinal Chemistry</i> , 2021 , 213, 113057	6.8	1
7	Mutational landscape of primary and recurrent Ewing sarcoma.. <i>Wspolczesna Onkologia</i> , 2021 , 25, 241-248		0
6	Multi-Organ Transcriptome Dynamics in a Mouse Model of Cecal Ligation and Puncture-Induced Polymicrobial Sepsis. <i>Journal of Inflammation Research</i> , 2021 , 14, 2377-2388	4.8	0
5	The gastric microbiota in patients with Crohn's disease; a preliminary study. <i>Scientific Reports</i> , 2021 , 11, 17866	4.9	0
4	Loss of epidermal MCP1 is associated with aggressive squamous cell carcinoma.. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021 , 40, 391	12.8	0
3	Inhibition of PIM Kinases in Diffuse Large B-Cell Lymphoma Cells Targets MYC-Dependent Transcriptional Program, Increases CD20 Expression and Augments the Efficacy of Anti-CD20 Antibodies. <i>Blood</i> , 2020 , 136, 33-34	2.2	

- 2 CDK8 Inhibitors Induce Transcriptional Reprogramming of AML Cells Associated with Differentiation. *Blood*, **2019**, 134, 3774-3774 2.2
- 1 Peripheral Blood Cells from Patients with Hodgkin's and Diffuse Large B Cell Lymphomas May Be a Better Source of Candidate Diagnostic miRNAs Than Circulating miRNAs. *BioMed Research International*, **2021**, 2021, 3212878 3