

# Michal Mikula

## List of Publications by Year in descending order

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Version: 2024-02-01

114  
papers

2,932  
citations

186265

28  
h-index

223800

46  
g-index

118  
all docs

118  
docs citations

118  
times ranked

6076  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of fetal blood group antigens from maternal plasma using Ion AmpliSeq HD technology. <i>Transfusion</i> , 2022, 62, 458-468.	1.6	3
2	ESCRT-I fuels lysosomal degradation to restrict TFEB/TFE3 signaling via the Rag-mTORC1 pathway. <i>Life Science Alliance</i> , 2022, 5, e202101239.	2.8	2
3	Oncology Drug Repurposing for Sepsis Treatment. <i>Biomedicines</i> , 2022, 10, 921.	3.2	5
4	Gene Expression-Based Functional Differences between the Bladder Body and Trigonal Urothelium in Adolescent Female Patients with Micturition Dysfunction. <i>Biomedicines</i> , 2022, 10, 1435.	3.2	1
5	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.	5.5	5
6	Higher genome variability within metabolism genes associates with recurrent <i>Clostridium difficile</i> infection. <i>BMC Microbiology</i> , 2021, 21, 36.	3.3	7
7	Concurrent depletion of Vps37 proteins evokes ESCRT-I destabilization and profound cellular stress responses. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	12
8	Peripheral Blood Cells from Patients with Hodgkinâ€™s and Diffuse Large B Cell Lymphomas May Be a Better Source of Candidate Diagnostic miRNAs Than Circulating miRNAs. <i>BioMed Research International</i> , 2021, 2021, 1-9.	1.9	0
9	Cytotoxic Efficacy and Resistance Mechanism of a TRAIL and VEGFA-Peptide Fusion Protein in Colorectal Cancer Models. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3160.	4.1	2
10	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, 2304.	2.4	4
11	Multi-Organ Transcriptome Dynamics in a Mouse Model of Cecal Ligation and Puncture-Induced Polymicrobial Sepsis. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 2377-2388.	3.5	14
12	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, 4148.	3.7	22
13	The gastric microbiota in patients with Crohnâ€™s disease; a preliminary study. <i>Scientific Reports</i> , 2021, 11, 17866.	3.3	4
14	Selective Extracellular Signal-Regulated Kinase 1/2 (ERK1/2) Inhibition by the SCH772984 Compound Attenuates In Vitro and In Vivo Inflammatory Responses and Prolongs Survival in Murine Sepsis Models. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10204.	4.1	8
15	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.	0.9	20
16	Mutational landscape of primary and recurrent Ewing sarcoma. <i>Wspolczesna Onkologia</i> , 2021, 25, 241-248.	1.4	4
17	Loss of epidermal MCPIP1 is associated with aggressive squamous cell carcinoma. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 391.	8.6	6
18	Integrative genomics reveal a role for MCPIP1 in adipogenesis and adipocyte metabolism. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 4899-4919.	5.4	13

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19	Limited Practical Utility of Liquid Biopsy in the Treated Patients with Advanced Breast Cancer. <i>Diagnostics</i> , 2020, 10, 523.	2.6	2
20	High Prevalence of Genetically Related Clostridium Difficile Strains at a Single Hemato-Oncology Ward Over 10 Years. <i>Frontiers in Microbiology</i> , 2020, 11, 1618.	3.5	4
21	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, 9715.	4.1	20
22	SYK inhibition targets acute myeloid leukemia stem cells by blocking their oxidative metabolism. <i>Cell Death and Disease</i> , 2020, 11, 956.	6.3	20
23	Challenges in Cancer Biomarker Discovery Exemplified by the Identification of Diagnostic MicroRNAs in Prostate Tissues. <i>BioMed Research International</i> , 2020, 2020, 1-4.	1.9	9
24	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.	9.8	48
25	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, 580.	3.7	33
26	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, 4470.	4.1	10
27	Synthetic lethality between <i>VPS4A</i> and <i>VPS4B</i> triggers an inflammatory response in colorectal cancer. <i>EMBO Molecular Medicine</i> , 2020, 12, e10812.	6.9	28
28	Signatures of circulating microRNA in four sarcoma subtypes. <i>Journal of Cancer</i> , 2020, 11, 874-882.	2.5	12
29	Mutational Mosaics of Cell-Free DNA from Pancreatic Cyst Fluids. <i>Digestive Diseases and Sciences</i> , 2020, 65, 2294-2301.	2.3	6
30	Lack of miR-378 attenuates muscular dystrophy in mdx mice. <i>JCI Insight</i> , 2020, 5, .	5.0	22
31	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.	1.4	0
32	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, 5619.	4.1	18
33	Mitochondrial amidoxime-reducing component 2 (MARC2) has a significant role in N-reductive activity and energy metabolism. <i>Journal of Biological Chemistry</i> , 2019, 294, 17593-17602.	3.4	15
34	Common functional alterations identified in blood transcriptome of autoimmune cholestatic liver and inflammatory bowel diseases. <i>Scientific Reports</i> , 2019, 9, 7190.	3.3	18
35	Molecular Signature of Prospero Homeobox 1 (PROX1) in Follicular Thyroid Carcinoma Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2212.	4.1	6
36	Mutation Profiling of Premalignant Colorectal Neoplasia. <i>Gastroenterology Research and Practice</i> , 2019, 2019, 1-9.	1.5	5

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37	Keratinocyte-specific ablation of Mcpip1 impairs skin integrity and promotes local and systemic inflammation. <i>Journal of Molecular Medicine</i> , 2019, 97, 1669-1684.	3.9	14
38	Whole-exome sequencing identifies novel pathogenic variants across the <i>ATP7B</i> gene and some modifiers of Wilson's disease phenotype. <i>Liver International</i> , 2019, 39, 177-186.	3.9	38
39	Redefining the Practical Utility of Blood Transcriptome Biomarkers in Inflammatory Bowel Diseases. <i>Journal of Crohn's and Colitis</i> , 2019, 13, 626-633.	1.3	22
40	Prediction of fetal blood group and platelet antigens from maternal plasma using next-generation sequencing. <i>Transfusion</i> , 2019, 59, 1102-1107.	1.6	31
41	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.	3.1	4
42	Functional analyses of a low-penetrance risk variant rs6702619/1p21.2 associating with colorectal cancer in Polish population. <i>Acta Biochimica Polonica</i> , 2019, 66, 365-370.	0.5	9
43	CDK8 Inhibitors Induce Transcriptional Reprogramming of AML Cells Associated with Differentiation. <i>Blood</i> , 2019, 134, 3774-3774.	1.4	0
44	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.	1.4	2
45	Ectopic overexpression of MCPIP1 impairs adipogenesis by modulating microRNAs. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 186-195.	4.1	17
46	Candidate diagnostic miRNAs that can detect cancer in prostate biopsy. <i>Prostate</i> , 2018, 78, 178-185.	2.3	24
47	Challenges in Stratifying the Molecular Variability of Patient-Derived Colon Tumor Xenografts. <i>BioMed Research International</i> , 2018, 2018, 1-9.	1.9	18
48	RNA sequencing reveals widespread transcriptome changes in a renal carcinoma cell line. <i>Oncotarget</i> , 2018, 9, 8597-8613.	1.8	22
49	Mass Spectrometry-Based Comprehensive Analysis of Pancreatic Cyst Fluids. <i>BioMed Research International</i> , 2018, 2018, 1-12.	1.9	9
50	Exome scale map of genetic alterations promoting metastasis in colorectal cancer. <i>BMC Genetics</i> , 2018, 19, 85.	2.7	22
51	Noninvasive prenatal HPA typing in HPA negative pregnancies selected in the Polish PREVFNAIT screening program. <i>Transfusion</i> , 2018, 58, 2705-2711.	1.6	8
52	IDH1/2 Mutations Predict Shorter Survival in Chondrosarcoma. <i>Journal of Cancer</i> , 2018, 9, 998-1005.	2.5	50
53	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.	0.4	23
54	PALB2 mutations in BRCA1/2-mutation negative breast and ovarian cancer patients from Poland. <i>BMC Medical Genomics</i> , 2017, 10, 14.	1.5	17

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55	A Strong Neutrophil Elastase Proteolytic Fingerprint Marks the Carcinoma Tumor Proteome. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 213-227.	3.8	17
56	A heterozygous mutation in GOT1 is associated with familial macro-aspartate aminotransferase. <i>Journal of Hepatology</i> , 2017, 67, 1026-1030.	3.7	18
57	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.	1.5	18
58	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, 1-8.	1.5	5
59	Downregulation of PTPRH (Sap-1) in colorectal tumors. <i>International Journal of Oncology</i> , 2017, 51, 841-850.	3.3	6
60	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.	1.5	7
61	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.	1.8	70
62	Effect of <i>Saccharomyces boulardii</i> and Mode of Delivery on the Early Development of the Gut Microbial Community in Preterm Infants. <i>PLoS ONE</i> , 2016, 11, e0150306.	2.5	29
63	Genetic architecture differences between pediatric and adult-onset inflammatory bowel diseases in the Polish population. <i>Scientific Reports</i> , 2016, 6, 39831.	3.3	33
64	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.	0.7	34
65	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.	9.8	68
66	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, gkw763.	14.5	23
67	Prolonged transfer of feces from the lean mice modulates gut microbiota in obese mice. <i>Nutrition and Metabolism</i> , 2016, 13, 57.	3.0	55
68	Expression changes of cell-cell adhesion-related genes in colorectal tumors. <i>Oncology Letters</i> , 2015, 9, 2463-2470.	1.8	60
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, 728-736.	2.4	23
70	Beads-free protein immunoprecipitation for a mass spectrometry-based interactome and posttranslational modifications analysis. <i>Proteome Science</i> , 2015, 13, 23.	1.7	14
71	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.	5.8	42
72	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.	2.5	6

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73	Epigenetic-Mediated Downregulation of <i>CDH1</i> -Protocadherin in Colorectal Tumours. <i>Gastroenterology Research and Practice</i> , 2015, 2015, 1-9.	1.5	14
74	Transcriptional changes between uninfamed 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.	0.5	7
75	CDK8 kinase—An emerging target in targeted cancer therapy. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 1617-1629.	2.3	56
76	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.	1.5	34
77	The role of the <i>SHH</i> gene in prostate cancer cell resistance to paclitaxel. <i>Prostate</i> , 2014, 74, 1142-1152.	2.3	21
78	Extracellular matrix and cytochrome P450 gene expression can distinguish steatohepatitis from steatosis in mice. <i>Journal of Cellular and Molecular Medicine</i> , 2014, 18, 1762-1772.	3.6	16
79	jChIP: a graphical environment for exploratory ChIP-Seq data analysis. <i>BMC Research Notes</i> , 2014, 7, 676.	1.4	2
80	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, 245-259.	3.5	25
81	Histone H3 lysine 27 acetylation is altered in colon cancer. <i>Clinical Proteomics</i> , 2014, 11, 24.	2.1	72
82	DNA methylation status is more reliable than gene expression at detecting cancer in prostate biopsy. <i>British Journal of Cancer</i> , 2014, 111, 781-789.	6.4	72
83	Obesity increases histone H3 lysine 9 and 18 acetylation at <i>Tnfa</i> and <i>Ccl2</i> genes in mouse liver. <i>International Journal of Molecular Medicine</i> , 2014, 34, 1647-1654.	4.0	51
84	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.	2.5	21
85	Heterogeneous Nuclear Ribonucleoprotein (HnRNP) K Genome-wide Binding Survey Reveals Its Role in Regulating 5'-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, 24788-24798.	3.4	28
86	Synchronous Recruitment of Epigenetic Modifiers to Endotoxin Synergistically Activated <i>Tnf-<math>\alpha</math></i> Gene in Acute Kidney Injury. <i>PLoS ONE</i> , 2013, 8, e70322.	2.5	22
87	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, .	0.5	11
88	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.	0.5	8
89	The Transcription Factor Encyclopedia. <i>Genome Biology</i> , 2012, 13, R24.	9.6	103
90	Comparative kinome analysis to identify putative colon tumor biomarkers. <i>Journal of Molecular Medicine</i> , 2012, 90, 447-456.	3.9	34

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91	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, 761-767.	1.4	11
92	Integrating proteomic and transcriptomic high-throughput surveys for search of new biomarkers of colon tumors. <i>Functional and Integrative Genomics</i> , 2011, 11, 215-224.	3.5	97
93	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, 9763-9775.	3.4	26
94	Halogenated imidazole derivatives block RNA polymerase II elongation along mitogen inducible genes. <i>BMC Molecular Biology</i> , 2010, 11, 4.	3.0	7
95	Comprehensive Analysis of the Palindromic Motif TCTCGCGAGA: A Regulatory Element of the HNRNPK Promoter. <i>DNA Research</i> , 2010, 17, 245-260.	3.4	39
96	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.	2.5	320
97	Tip-1 (hp0596 Gene Product) Is a Highly Immunogenic <i>Helicobacter pylori</i> Protein Involved in Colonization of Mouse Gastric Mucosa. <i>Current Microbiology</i> , 2008, 56, 279-286.	2.2	21
98	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, 233-242.	3.9	8
99	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	27
100	Association between gynecomastia and aromatase (CYP19) polymorphisms. <i>European Journal of Endocrinology</i> , 2008, 158, 721-727.	3.7	36
101	Barrett's esophagus associates with a variant of IL23R gene. <i>Acta Biochimica Polonica</i> , 2008, 55, 365-369.	0.5	5
102	NrCAM, a neuronal system cell-adhesion molecule, is induced in papillary thyroid carcinomas. <i>British Journal of Cancer</i> , 2007, 97, 531-538.	6.4	36
103	Molecular defense mechanisms of Barrett's metaplasia estimated by an integrative genomics. <i>Journal of Molecular Medicine</i> , 2007, 85, 733-743.	3.9	44
104	The diverse involvement of heterogeneous nuclear ribonucleoprotein K in mitochondrial response to insulin. <i>FEBS Letters</i> , 2006, 580, 1839-1845.	2.8	9
105	<i>Helicobacter pylori</i> protein oxidation influences the colonization process. <i>International Journal of Medical Microbiology</i> , 2006, 296, 321-324.	3.6	24
106	Landscape of the hnRNP K protein-protein interactome. <i>Proteomics</i> , 2006, 6, 2395-2406.	2.2	69
107	Editing of hnRNP K protein mRNA in colorectal adenocarcinoma and surrounding mucosa. <i>British Journal of Cancer</i> , 2006, 94, 586-592.	6.4	43
108	Casein kinases phosphorylate multiple residues spanning the entire hnRNP K length. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006, 1764, 299-306.	2.3	12

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109	Three clinical variants of gastroesophageal reflux disease form two distinct gene expression signatures. <i>Journal of Molecular Medicine</i> , 2006, 84, 872-882.	3.9	11
110	Expression of pendrin in benign and malignant human thyroid tissues. <i>British Journal of Cancer</i> , 2005, 93, 144-151.	6.4	26
111	Increased mitochondrial gene expression during L6 cell myogenesis is accelerated by insulin. <i>International Journal of Biochemistry and Cell Biology</i> , 2005, 37, 1815-1828.	2.8	17
112	Heterogeneous Nuclear Ribonucleoprotein K Enhances Insulin-induced Expression of Mitochondrial UCP2 Protein. <i>Journal of Biological Chemistry</i> , 2004, 279, 54599-54609.	3.4	28
113	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.	7.0	9
114	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, 351-359.	1.6	65