

Michal Mikula

List of Publications by Year in descending order

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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	Modeling Oncogenic Signaling in Colon Tumors by Multidirectional Analyses of Microarray Data Directed for Maximization of Analytical Reliability. PLoS ONE, 2010, 5, e13091.	2.5	320
2	The Transcription Factor Encyclopedia. Genome Biology, 2012, 13, R24.	9.6	103
3	Integrating proteomic and transcriptomic high-throughput surveys for search of new biomarkers of colon tumors. Functional and Integrative Genomics, 2011, 11, 215-224.	3.5	97
4	Histone H3 lysine 27 acetylation is altered in colon cancer. Clinical Proteomics, 2014, 11, 24.	2.1	72
5	DNA methylation status is more reliable than gene expression at detecting cancer in prostate biopsy. British Journal of Cancer, 2014, 111, 781-789.	6.4	72
6	SEL120-34A is a novel CDK8 inhibitor active in AML cells with high levels of serine phosphorylation of STAT1 and STAT5 transactivation domains. Oncotarget, 2017, 8, 33779-33795.	1.8	70
7	Landscape of the hnRNP K proteinâ€“protein interactome. Proteomics, 2006, 6, 2395-2406.	2.2	69
8	Limited prolonged effects of rifaximin treatment on irritable bowel syndrome-related differences in the fecal microbiome and metabolome. Gut Microbes, 2016, 7, 397-413.	9.8	68
9	Quantitative detection for low levels of Helicobacter pylori infection in experimentally infected mice by real-time PCR. Journal of Microbiological Methods, 2003, 55, 351-359.	1.6	65
10	Expression changes of cell-cell adhesion-related genes in colorectal tumors. Oncology Letters, 2015, 9, 2463-2470.	1.8	60
11	CDK8 kinaseâ€“An emerging target in targeted cancer therapy. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 1617-1629.	2.3	56
12	Prolonged transfer of feces from the lean mice modulates gut microbiota in obese mice. Nutrition and Metabolism, 2016, 13, 57.	3.0	55
13	Obesity increases histone H3 lysine 9 and 18 acetylation at Tnfa and Ccl2 genes in mouse liver. International Journal of Molecular Medicine, 2014, 34, 1647-1654.	4.0	51
14	IDH1/2 Mutations Predict Shorter Survival in Chondrosarcoma. Journal of Cancer, 2018, 9, 998-1005.	2.5	50
15	The composition and richness of the gut microbiota differentiate the top Polish endurance athletes from sedentary controls. Gut Microbes, 2020, 11, 1374-1384.	9.8	48
16	Molecular defense mechanisms of Barrettâ€™s metaplasia estimated by an integrative genomics. Journal of Molecular Medicine, 2007, 85, 733-743.	3.9	44
17	Editing of hnRNP K protein mRNA in colorectal adenocarcinoma and surrounding mucosa. British Journal of Cancer, 2006, 94, 586-592.	6.4	43
18	Experimental acute lung injury induces multi-organ epigenetic modifications in key angiogenic genes implicated in sepsis-associated endothelial dysfunction. Critical Care, 2015, 19, 225.	5.8	42

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19	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
20	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
21	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
22	Association between gynecomastia and aromatase (CYP19) polymorphisms. <i>European Journal of Endocrinology</i> , 2008, 158, 721-727.	3.7	36
23	Comparative kinome analysis to identify putative colon tumor biomarkers. <i>Journal of Molecular Medicine</i> , 2012, 90, 447-456.	3.9	34
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	Expression of pendrin in benign and malignant human thyroid tissues. <i>British Journal of Cancer</i> , 2005, 93, 144-151.	6.4	26
35	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
36	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

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37	Helicobacter pylori protein oxidation influences the colonization process. International Journal of Medical Microbiology, 2006, 296, 321-324.	3.6	24
38	Candidate diagnostic miRNAs that can detect cancer in prostate biopsy. Prostate, 2018, 78, 178-185.	2.3	24
39	Regulation of the expression of claudin 23 by the enhancer of zeste 2 polycomb group protein in colorectal cancer. Molecular Medicine Reports, 2015, 12, 728-736.	2.4	23
40	Genome-wide co-localization of active EGFR and downstream ERK pathway kinases mirrors mitogen-inducible RNA polymerase 2 genomic occupancy. Nucleic Acids Research, 2016, 44, gkw763.	14.5	23
41	A preliminary evaluation of next-generation sequencing as a screening tool for targeted genotyping of erythrocyte and platelet antigens in blood donors. Blood Transfusion, 2018, 16, 285-292.	0.4	23
42	RNA sequencing reveals widespread transcriptome changes in a renal carcinoma cell line. Oncotarget, 2018, 9, 8597-8613.	1.8	22
43	Exome scale map of genetic alterations promoting metastasis in colorectal cancer. BMC Genetics, 2018, 19, 85.	2.7	22
44	Redefining the Practical Utility of Blood Transcriptome Biomarkers in Inflammatory Bowel Diseases. Journal of Crohn's and Colitis, 2019, 13, 626-633.	1.3	22
45	PD-L1 Overexpression, SWI/SNF Complex Deregulation, and Profound Transcriptomic Changes Characterize Cancer-Dependent Exhaustion of Persistently Activated CD4+ T Cells. Cancers, 2021, 13, 4148.	3.7	22
46	Lack of miR-378 attenuates muscular dystrophy in mdx mice. JCI Insight, 2020, 5, .	5.0	22
47	Synchronous Recruitment of Epigenetic Modifiers to Endotoxin Synergistically Activated Tnf- α Gene in Acute Kidney Injury. PLoS ONE, 2013, 8, e70322.	2.5	22
48	Tip- α (hp0596 Gene Product) Is a Highly Immunogenic Helicobacter pylori Protein Involved in Colonization of Mouse Gastric Mucosa. Current Microbiology, 2008, 56, 279-286.	2.2	21
49	The role of the SHH gene in prostate cancer cell resistance to paclitaxel. Prostate, 2014, 74, 1142-1152.	2.3	21
50	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. PLoS ONE, 2014, 9, e105371.	2.5	21
51	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. International Journal of Molecular Sciences, 2020, 21, 9715.	4.1	20
52	SYK inhibition targets acute myeloid leukemia stem cells by blocking their oxidative metabolism. Cell Death and Disease, 2020, 11, 956.	6.3	20
53	Inhibition of PIM Kinases in DLBCL Targets MYC Transcriptional Program and Augments the Efficacy of Anti-CD20 Antibodies. Cancer Research, 2021, 81, 6029-6043.	0.9	20
54	A heterozygous mutation in GOT1 is associated with familial macro-aspartate aminotransferase. Journal of Hepatology, 2017, 67, 1026-1030.	3.7	18

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55	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
56	Challenges in Stratifying the Molecular Variability of Patient-Derived Colon Tumor Xenografts. <i>BioMed Research International</i> , 2018, 2018, 1-9.	1.9	18
57	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
58	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
59	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
60	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
61	A Strong Neutrophil Elastase Proteolytic Fingerprint Marks the Carcinoma Tumor Proteome. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 213-227.	3.8	17
62	Ectopic overexpression of MCP1 impairs adipogenesis by modulating microRNAs. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 186-195.	4.1	17
63	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
64	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
65	Beads-free protein immunoprecipitation for a mass spectrometry-based interactome and posttranslational modifications analysis. <i>Proteome Science</i> , 2015, 13, 23.	1.7	14
66	Epigenetic-Mediated Downregulation of <i>CDH1</i> -Protocadherin in Colorectal Tumours. <i>Gastroenterology Research and Practice</i> , 2015, 2015, 1-9.	1.5	14
67	Keratinocyte-specific ablation of <i>Mcp1</i> impairs skin integrity and promotes local and systemic inflammation. <i>Journal of Molecular Medicine</i> , 2019, 97, 1669-1684.	3.9	14
68	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
69	Integrative genomics reveal a role for MCP1 in adipogenesis and adipocyte metabolism. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 4899-4919.	5.4	13
70	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
71	Signatures of circulating microRNA in four sarcoma subtypes. <i>Journal of Cancer</i> , 2020, 11, 874-882.	2.5	12
72	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

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73	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
74	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
75	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
76	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
77	The diverse involvement of heterogeneous nuclear ribonucleoprotein K in mitochondrial response to insulin. <i>FEBS Letters</i> , 2006, 580, 1839-1845.	2.8	9
78	Mass Spectrometry-Based Comprehensive Analysis of Pancreatic Cyst Fluids. <i>BioMed Research International</i> , 2018, 2018, 1-12.	1.9	9
79	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
80	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
81	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
82	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
83	Noninvasive prenatal HPA-1 typing in HPA-1a negative pregnancies selected in the Polish PREVFNAIT screening program. <i>Transfusion</i> , 2018, 58, 2705-2711.	1.6	8
84	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
85	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
86	Halogenated imidazole derivatives block RNA polymerase II elongation along mitogen inducible genes. <i>BMC Molecular Biology</i> , 2010, 11, 4.	3.0	7
87	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
88	Higher genome variability within metabolism genes associates with recurrent <i>Clostridium difficile</i> infection. <i>BMC Microbiology</i> , 2021, 21, 36.	3.3	7
89	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
90	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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91	Downregulation of PTPRH (Sap-1) in colorectal tumors. International Journal of Oncology, 2017, 51, 841-850.	3.3	6
92	Molecular Signature of Prospero Homeobox 1 (PROX1) in Follicular Thyroid Carcinoma Cells. International Journal of Molecular Sciences, 2019, 20, 2212.	4.1	6
93	Mutational Mosaics of Cell-Free DNA from Pancreatic Cyst Fluids. Digestive Diseases and Sciences, 2020, 65, 2294-2301.	2.3	6
94	Loss of epidermal MCP1P1 is associated with aggressive squamous cell carcinoma. Journal of Experimental and Clinical Cancer Research, 2021, 40, 391.	8.6	6
95	Clinical Applicability of Whole-Exome Sequencing Exemplified by a Study in Young Adults with the Advanced Cryptogenic Cholestatic Liver Diseases. Gastroenterology Research and Practice, 2017, 2017, 1-8.	1.5	5
96	Mutation Profiling of Premalignant Colorectal Neoplasia. Gastroenterology Research and Practice, 2019, 2019, 1-9.	1.5	5
97	Discovery of indazole-pyridinone derivatives as a novel class of potent and selective MNK1/2 kinase inhibitors that protecting against endotoxin-induced septic shock. European Journal of Medicinal Chemistry, 2021, 213, 113057.	5.5	5
98	Barrett's esophagus associates with a variant of IL23R gene.. Acta Biochimica Polonica, 2008, 55, 365-369.	0.5	5
99	Oncology Drug Repurposing for Sepsis Treatment. Biomedicines, 2022, 10, 921.	3.2	5
100	Transcriptomes of human mesenchymal cells isolated from the right ventricle and epicardial fat differ strikingly both directly after isolation and long-term culture. ESC Heart Failure, 2019, 6, 351-361.	3.1	4
101	High Prevalence of Genetically Related Clostridium Difficile Strains at a Single Hemato-Oncology Ward Over 10 Years. Frontiers in Microbiology, 2020, 11, 1618.	3.5	4
102	Higher EU-TIRADS-Score Correlated with BRAF V600E Positivity in the Early Stage of Papillary Thyroid Carcinoma. Journal of Clinical Medicine, 2021, 10, 2304.	2.4	4
103	The gastric microbiota in patients with Crohn's disease; a preliminary study. Scientific Reports, 2021, 11, 17866.	3.3	4
104	Mutational landscape of primary and recurrent Ewing sarcoma. Wspolczesna Onkologia, 2021, 25, 241-248.	1.4	4
105	Prediction of fetal blood group antigens from maternal plasma using Ion AmpliSeq HD technology. Transfusion, 2022, 62, 458-468.	1.6	3
106	jChIP: a graphical environment for exploratory ChIP-Seq data analysis. BMC Research Notes, 2014, 7, 676.	1.4	2
107	Limited Practical Utility of Liquid Biopsy in the Treated Patients with Advanced Breast Cancer. Diagnostics, 2020, 10, 523.	2.6	2
108	Cytotoxic Efficacy and Resistance Mechanism of a TRAIL and VEGFA-Peptide Fusion Protein in Colorectal Cancer Models. International Journal of Molecular Sciences, 2021, 22, 3160.	4.1	2

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109	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
110	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
111	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
112	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
113	CDK8 Inhibitors Induce Transcriptional Reprogramming of AML Cells Associated with Differentiation. <i>Blood</i> , 2019, 134, 3774-3774.	1.4	0
114	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