Jerzy Ostrowski

List of Publications by Year in descending order

131 papers	4,031 citations	136950 32 h-index	144013 57 g-index
131 all docs	131 docs citations	131 times ranked	7020 citing authors

#	Article	IF	Citations
1	hnRNP K: One protein multiple processes. BioEssays, 2004, 26, 629-638.	2.5	419
2	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
3	Members of the poly (rC) binding protein family stimulate the activity of the c-myc internal ribosome entry segment in vitro and in vivo. Oncogene, 2003, 22, 8012-8020.	5.9	205
4	Diverse molecular interactions of the hnRNP K protein. FEBS Letters, 1997, 403, 113-115.	2.8	151
5	The K Protein Domain That Recruits the Interleukin 1-responsive K Protein Kinase Lies Adjacent to a Cluster of c-Src and Vav SH3-binding Sites. Journal of Biological Chemistry, 1995, 270, 26976-26985.	3.4	104
6	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
7	PDL1 expression is an independent prognostic factor in localized GIST. OncoImmunology, 2015, 4, e1002729.	4.6	75
8	Role of Tyrosine Phosphorylation in the Regulation of the Interaction of Heterogenous Nuclear Ribonucleoprotein K Protein with Its Protein and RNA Partners. Journal of Biological Chemistry, 2000, 275, 3619-3628.	3.4	74
9	Zik1, a Transcriptional Repressor That Interacts with the Heterogeneous Nuclear Ribonucleoprotein Particle K Protein. Journal of Biological Chemistry, 1996, 271, 27701-27706.	3.4	73
10	Histone H3 lysine 27 acetylation is altered in colon cancer. Clinical Proteomics, 2014, 11, 24.	2.1	72
11	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
12	Landscape of the hnRNP K proteinâ€“protein interactome. Proteomics, 2006, 6, 2395-2406.	2.2	69
13	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
14	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
15	Expression changes of cell-cell adhesion-related genes in colorectal tumors. Oncology Letters, 2015, 9, 2463-2470.	1.8	60
16	Cooperative binding of the hnRNP K three KH domains to mRNA targets. FEBS Letters, 2004, 577, 134-140.	2.8	56
17	Prolonged transfer of feces from the lean mice modulates gut microbiota in obese mice. Nutrition and Metabolism, 2016, 13, 57.	3.0	55
18	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

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19	Heterogeneous Nuclear Ribonucleoprotein K Protein Associates with Multiple Mitochondrial Transcripts within the Organelle. Journal of Biological Chemistry, 2002, 277, 6303-6310.	3.4	50
20	IDH1/2 Mutations Predict Shorter Survival in Chondrosarcoma. Journal of Cancer, 2018, 9, 998-1005.	2.5	50
21	Transient recruitment of the hnRNP K protein to inducibly transcribed gene loci. Nucleic Acids Research, 2003, 31, 3954-3962.	14.5	48
22	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
23	Characterization of hnRNP K Proteinâ€“RNA Interactions. Journal of Molecular Biology, 2004, 342, 1131-1141.	4.2	46
24	Description of an IL-1-Responsive Kinase That Phosphorylates the K Protein. Enhancement of Phosphorylation by Selective DNA and RNA Motifs. Biochemistry, 1995, 34, 5644-5650.	2.5	45
25	An integrated LCâ€ESIâ€MS platform for quantitation of serum peptide ladders. Application for colon carcinoma study. Proteomics - Clinical Applications, 2009, 3, 932-946.	1.6	45
26	Molecular defense mechanisms of Barrettâ€™s metaplasia estimated by an integrative genomics. Journal of Molecular Medicine, 2007, 85, 733-743.	3.9	44
27	The fold recognition of CP2 transcription factors gives new insights into the function and evolution of tumor suppressor protein p53. Cell Cycle, 2008, 7, 2907-2915.	2.6	39
28	Comprehensive Analysis of the Palindromic Motif TCTCGCGAGA: A Regulatory Element of the HNRNPK Promoter. DNA Research, 2010, 17, 245-260.	3.4	39
29	Wholeâ€exome sequencing identifies novel pathogenic variants across the ATP7B gene and some modifiers of Wilson's disease phenotype. Liver International, 2019, 39, 177-186.	3.9	38
30	Association between gynecomastia and aromatase (CYP19) polymorphisms. European Journal of Endocrinology, 2008, 158, 721-727.	3.7	36
31	Homoplasmic MELAS A3243G mtDNA mutation in a colon cancer sample. Mitochondrion, 2003, 3, 119-124.	3.4	34
32	Integrating genomics, proteomics and bioinformatics in translational studies of molecular medicine. Expert Review of Molecular Diagnostics, 2009, 9, 623-630.	3.1	34
33	Pooled Sample-Based GWAS: A Cost-Effective Alternative for Identifying Colorectal and Prostate Cancer Risk Variants in the Polish Population. PLoS ONE, 2012, 7, e35307.	2.5	34
34	Comparative kinome analysis to identify putative colon tumor biomarkers. Journal of Molecular Medicine, 2012, 90, 447-456.	3.9	34
35	New recurrent BRCA1/2 mutations in Polish patients with familial breast/ovarian cancer detected by next generation sequencing. BMC Medical Genomics, 2015, 8, 19.	1.5	34
36	Genetic architecture differences between pediatric and adult-onset inflammatory bowel diseases in the Polish population. Scientific Reports, 2016, 6, 39831.	3.3	33

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37	Helicobacter pyloriVacA cytotoxin interacts with fibronectin and alters HeLa cell adhesion and cytoskeletal organization in vitro. FEMS Immunology and Medical Microbiology, 2005, 44, 143-150.	2.7	31
38	Prediction of fetal blood group and platelet antigens from maternal plasma using nextâ€generation sequencing. Transfusion, 2019, 59, 1102-1107.	1.6	31
39	Abnormalities in Liver Function and Morphology and Impaired Aminopyrine Metabolism in Hereditary Hepatic Porphyrias. Gastroenterology, 1983, 85, 1131-1137.	1.3	30
40	Limited clinical relevance of mitochondrial DNA mutation and gene expression analyses in ovarian cancer. BMC Cancer, 2008, 8, 292.	2.6	30
41	Effect of Saccharomyces boulardii and Mode of Delivery on the Early Development of the Gut Microbial Community in Preterm Infants. PLoS ONE, 2016, 11, e0150306.	2.5	29
42	Heterogeneous Nuclear Ribonucleoprotein K Enhances Insulin-induced Expression of Mitochondrial UCP2 Protein. Journal of Biological Chemistry, 2004, 279, 54599-54609.	3.4	28
43	Heterogeneous Nuclear Ribonucleoprotein (HnRNP) K Genome-wide Binding Survey Reveals Its Role in Regulating 3â€²-End RNA Processing and Transcription Termination at the Early Growth Response 1 (EGR1) Gene through XRN2 Exonuclease*. Journal of Biological Chemistry, 2013, 288, 24788-24798.	3.4	28
44	Lack of evidence for association of primary sclerosing cholangitis and primary biliary cirrhosis with risk alleles for Crohn's disease in Polish patients. BMC Medical Genetics, 2008, 9, 81.	2.1	27
45	RACK1 Protein Interacts with Helicobacter pylori VacA Cytotoxin: The Yeast Two-Hybrid Approach. Biochemical and Biophysical Research Communications, 2001, 289, 103-110.	2.1	26
46	Mitochondrial-related proteomic changes during obesity and fasting in mice are greater in the liver than skeletal muscles. Functional and Integrative Genomics, 2014, 14, 245-259.	3.5	25
47	Stimulation of p85/RING3 kinase in multiple organs after systemic administration of mitogens into mice. Oncogene, 1998, 16, 1223-1227.	5.9	24
48	Helicobacter pylori protein oxidation influences the colonization process. International Journal of Medical Microbiology, 2006, 296, 321-324.	3.6	24
49	Candidate diagnostic miRNAs that can detect cancer in prostate biopsy. Prostate, 2018, 78, 178-185.	2.3	24
50	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
51	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
52	RNA sequencing reveals widespread transcriptome changes in a renal carcinoma cell line. Oncotarget, 2018, 9, 8597-8613.	1.8	22
53	Exome scale map of genetic alterations promoting metastasis in colorectal cancer. BMC Genetics, 2018, 19, 85.	2.7	22
54	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

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55	Tip-Î± (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
56	Functional features of gene expression profiles differentiating gastrointestinal stromal tumours according to KITmutations and expression. BMC Cancer, 2009, 9, 413.	2.6	21
57	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
58	Mutations, methylation and expression of CDKN2a/p16 gene in colorectal cancer and normal colonic mucosa. Cancer Letters, 2001, 163, 17-23.	7.2	20
59	High frequency of BRCA1 founder mutations in Polish women with nonfamilial breast cancer. Familial Cancer, 2012, 11, 623-628.	1.9	20
60	PARP Inhibition Increases the Reliance on ATR/CHK1 Checkpoint Signaling Leading to Synthetic Lethalityâ€"An Alternative Treatment Strategy for Epithelial Ovarian Cancer Cells Independent from HR Effectiveness. International Journal of Molecular Sciences, 2020, 21, 9715.	4.1	20
61	Common low-penetrance risk variants associated with breast cancer in Polish women. BMC Cancer, 2013, 13, 510.	2.6	19
62	Identification of a Late Onset Alzheimer's Disease Candidate Risk Variant at 9q21.33 in Polish Patients. Journal of Alzheimer's Disease, 2012, 32, 157-168.	2.6	18
63	A heterozygous mutation in GOT1 is associated with familial macro-aspartate aminotransferase. Journal of Hepatology, 2017, 67, 1026-1030.	3.7	18
64	A novel approach to genome-wide association analysis identifies genetic associations with primary biliary cholangitis and primary sclerosing cholangitis in Polish patients. BMC Medical Genomics, 2017, 10, 2.	1.5	18
65	Challenges in Stratifying the Molecular Variability of Patient-Derived Colon Tumor Xenografts. BioMed Research International, 2018, 2018, 1-9.	1.9	18
66	Transcription Factor Prospero Homeobox 1 (PROX1) as a Potential Angiogenic Regulator of Follicular Thyroid Cancer Dissemination. International Journal of Molecular Sciences, 2019, 20, 5619.	4.1	18
67	Common functional alterations identified in blood transcriptome of autoimmune cholestatic liver and inflammatory bowel diseases. Scientific Reports, 2019, 9, 7190.	3.3	18
68	Increased mitochondrial gene expression during L6 cell myogenesis is accelerated by insulin. International Journal of Biochemistry and Cell Biology, 2005, 37, 1815-1828.	2.8	17
69	Limited predictive value of achieving beneficial plasma (Z)-endoxifen threshold level by CYP2D6 genotyping in tamoxifen-treated Polish women with breast cancer. BMC Cancer, 2015, 15, 570.	2.6	17
70	PALB2 mutations in BRCA1/2-mutation negative breast and ovarian cancer patients from Poland. BMC Medical Genomics, 2017, 10, 14.	1.5	17
71	A Strong Neutrophil Elastase Proteolytic Fingerprint Marks the Carcinoma Tumor Proteome. Molecular and Cellular Proteomics, 2017, 16, 213-227.	3.8	17
72	p53 protein accumulation and p53 gene mutation in colorectal cancer. Pathology and Oncology Research, 2000, 6, 275-279.	1.9	16

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73	Automated reduction and interpretation of multidimensional mass spectra for analysis of complex peptide mixtures. International Journal of Mass Spectrometry, 2007, 260, 20-30.	1.5	16
74	Extracellular matrix and cytochrome P450 gene expression can distinguish steatohepatitis from steatosis in mice. Journal of Cellular and Molecular Medicine, 2014, 18, 1762-1772.	3.6	16
75	Treatment of mice with EGF and orthovanadate activates cytoplasmic and nuclear MAPK, p70S6k, and p90rsk in the liver. Journal of Hepatology, 2000, 32, 965-974.	3.7	15
76	Purification of DNA-binding proteins using tandem DNA- affinity column. Nucleic Acids Research, 1993, 21, 1045-1046.	14.5	14
77	Beads-free protein immunoprecipitation for a mass spectrometry-based interactome and posttranslational modifications analysis. Proteome Science, 2015, 13, 23.	1.7	14
78	Epigenetic-Mediated Downregulation of Î¼-Protocadherin in Colorectal Tumours. Gastroenterology Research and Practice, 2015, 2015, 1-9.	1.5	14
79	Multi-Organ Transcriptome Dynamics in a Mouse Model of Cecal Ligation and Puncture-Induced Polymicrobial Sepsis. Journal of Inflammation Research, 2021, Volume 14, 2377-2388.	3.5	14
80	Casein kinases phosphorylate multiple residues spanning the entire hnRNP K length. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2006, 1764, 299-306.	2.3	12
81	The Role of Aberrant DNA Methylation in Misregulation of Gene Expression in Gonadotroph Nonfunctioning Pituitary Tumors. Cancers, 2019, 11, 1650.	3.7	12
82	In search for interplay between stool microRNAs, microbiota and short chain fatty acids in Crohnâ€™s disease - a preliminary study. BMC Gastroenterology, 2020, 20, 307.	2.0	12
83	Multivariate Analysis of Risk Factors for Development of Duodenal Ulcer in Helicobacter pylori-Infected Patients. Digestion, 2003, 67, 25-31.	2.3	11
84	Three clinical variants of gastroesophageal reflux disease form two distinct gene expression signatures. Journal of Molecular Medicine, 2006, 84, 872-882.	3.9	11
85	Lack of evidence for increased level of circulating urothelial cells in the peripheral blood after transurethral resection of bladder tumors. International Urology and Nephrology, 2012, 44, 761-767.	1.4	11
86	Inhibition of acid secretory response and induction of ornithine decarboxylase and its mRNA by TGFÎ± and EGF in isolated rat gastric glands. Regulatory Peptides, 1995, 56, 1-8.	1.9	10
87	In Search of Immunogenic Helicobacter pylori Proteins by Screening of Expression Library. Digestion, 2000, 61, 14-21.	2.3	10
88	Differences between Well-Differentiated Neuroendocrine Tumors and Ductal Adenocarcinomas of the Pancreas Assessed by Multi-Omics Profiling. International Journal of Molecular Sciences, 2020, 21, 4470.	4.1	10
89	The diverse involvement of heterogeneous nuclear ribonucleoprotein K in mitochondrial response to insulin. FEBS Letters, 2006, 580, 1839-1845.	2.8	9
90	Mass Spectrometry-Based Comprehensive Analysis of Pancreatic Cyst Fluids. BioMed Research International, 2018, 2018, 1-12.	1.9	9

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91	Challenges in Cancer Biomarker Discovery Exemplified by the Identification of Diagnostic MicroRNAs in Prostate Tissues. BioMed Research International, 2020, 2020, 1-4.	1.9	9
92	Functional analyses of a low-penetrance risk variant rs6702619/1p21.2 associating with colorectal cancer in Polish population. Acta Biochimica Polonica, 2019, 66, 365-370.	0.5	9
93	Large intra- and inter-individual variability of genes expression levels limits potential predictive value of molecular diagnosis of dysplasia in Barrettâ€™s esophagus. Journal of Molecular Medicine, 2008, 86, 233-242.	3.9	8
94	Noninvasive prenatal HPAâ€1 typing in HPAâ€1a negative pregnancies selected in the Polish PREVFNAIT screening program. Transfusion, 2018, 58, 2705-2711.	1.6	8
95	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. International Journal of Molecular Sciences, 2021, 22, 10204.	4.1	8
96	Pre-analytical-related variability influencing serum peptide profiles demonstrated in a mass spectrometry-based search for colorectal and prostate cancer biomarkers. Acta Biochimica Polonica, 2013, 60, 417-25.	0.5	8
97	Generation of phosphatidic acid and diacylglycerols following ligation of surface immunoglobulin in human B lymphocytes: Potential role in PKC activation. Cellular Immunology, 1992, 141, 373-387.	3.0	7
98	Peptide analog of fibronectin that inhibits cell migration and ERK 1/2 activity. Peptides, 2001, 22, 1949-1953.	2.4	7
99	ThehppAgene ofHelicobacter pyloriencodes the class C acid phosphatase precursor. FEBS Letters, 2002, 525, 39-42.	2.8	7
100	Halogenated imidazole derivatives block RNA polymerase II elongation along mitogen inducible genes. BMC Molecular Biology, 2010, 11, 4.	3.0	7
101	CYP1A1 Ile462Val polymorphism and colorectal cancer risk in Polish patients. Medical Oncology, 2014, 31, 72.	2.5	7
102	Transcriptional changes between uninflamed ulcerative colitis and familial adenomatous polyposis pouch mucosa can be attributed to an altered immune response. Acta Biochimica Polonica, 2015, 62, 69-75.	0.5	7
103	Higher genome variability within metabolism genes associates with recurrent Clostridium difficile infection. BMC Microbiology, 2021, 21, 36.	3.3	7
104	Antimelanomic Effects of High- and Low-Molecular Weight Bioactive Subfractions Isolated from the Mossy Maze Mushroom, Cerrena unicolor (Agaricomycetes). International Journal of Medicinal Mushrooms, 2017, 19, 619-628.	1.5	7
105	Combination Testing Using a Single MSH5 Variant alongside HLA Haplotypes Improves the Sensitivity of Predicting Coeliac Disease Risk in the Polish Population. PLoS ONE, 2015, 10, e0139197.	2.5	6
106	Downregulation of PTPRH (Sap-1) in colorectal tumors. International Journal of Oncology, 2017, 51, 841-850.	3.3	6
107	Molecular Signature of Prospero Homeobox 1 (PROX1) in Follicular Thyroid Carcinoma Cells. International Journal of Molecular Sciences, 2019, 20, 2212.	4.1	6
108	Mutational Mosaics of Cell-Free DNA from Pancreatic Cyst Fluids. Digestive Diseases and Sciences, 2020, 65, 2294-2301.	2.3	6

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109	Two-Stage Model-Based Clustering for Liquid Chromatography Mass Spectrometry Data Analysis. Statistical Applications in Genetics and Molecular Biology, 2009, 8, 1-34.	0.6	5
110	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
111	Clinical significance of endoscopic findings in the upper gastrointestinal tract in Crohnâ€™s disease. Scandinavian Journal of Gastroenterology, 2019, 54, 1075-1080.	1.5	5
112	Mutation Profiling of Premalignant Colorectal Neoplasia. Gastroenterology Research and Practice, 2019, 2019, 1-9.	1.5	5
113	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
114	Oncology Drug Repurposing for Sepsis Treatment. Biomedicines, 2022, 10, 921.	3.2	5
115	Inferring serum proteolytic activity from LC-MS/MS data. BMC Bioinformatics, 2012, 13, S7.	2.6	4
116	Transcriptomes of human mesenchymal cells isolated from the right ventricle and epicardial fat differ strikingly both directly after isolation and longâ€term culture. ESC Heart Failure, 2019, 6, 351-361.	3.1	4
117	The Search of miRNA Related to Invasive Growth of Nonfunctioning Gonadotropic Pituitary Tumors. International Journal of Endocrinology, 2020, 2020, 1-8.	1.5	4
118	DNA Methylation Influences miRNA Expression in Gonadotroph Pituitary Tumors. Life, 2020, 10, 59.	2.4	4
119	The gastric microbiota in patients with Crohnâ€™s disease; a preliminary study. Scientific Reports, 2021, 11, 17866.	3.3	4
120	Prediction of fetal blood group antigens from maternal plasma using Ion AmpliSeq HD technology. Transfusion, 2022, 62, 458-468.	1.6	3
121	Erythrocyte Porphobilinogen Deaminase Activity in Lives Disease. Gastroenterology, 1987, 92, 845-851.	1.3	2
122	Association of the BRCA1 promoter polymorphism rs11655505 with the risk of familial breast and/or ovarian cancer. Familial Cancer, 2013, 12, 691-698.	1.9	2
123	Limited Practical Utility of Liquid Biopsy in the Treated Patients with Advanced Breast Cancer. Diagnostics, 2020, 10, 523.	2.6	2
124	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
125	Local Anesthetics (Benzyl Alcohol, Lidocaine, Procainamide) Inhibit Aminopyrine Accumulation in Isolated Rat Parietal Cells. Pharmacology, 1989, 39, 265-272.	2.2	1
126	Combination of HLA-DQ2/-DQ8 Haplotypes and a Single MSH5 Gene Variant in a Polish Population of Patients with Type 1 Diabetes as a First Line Screening for Celiac Disease?. Journal of Clinical Medicine, 2022, 11, 2223.	2.4	1

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127	Weak bases increase surface IgM expression in 70Z/3 B lymphoid cell line without increasing Îº gene expression. Cellular Immunology, 1990, 130, 11-21.	3.0	0
128	Does Transmembrane Potential Control Acid Secretion in the Stomach?. Electromagnetic Biology and Medicine, 1994, 13, 93-97.	0.4	0
129	Inferring serum proteolytic activity from LC-MS/MS data. , 2011, , .		0
130	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. BioMed Research International, 2021, 2021, 1-9.	1.9	0
131	Can genetic testing be useful for defining the risk of cancer?. Nowotwory, 2017, 66, 422-426.	0.3	0