

# Balint Nagy

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2535834/publications.pdf>

Version: 2024-02-01

83  
papers

2,057  
citations

257357

24  
h-index

289141

40  
g-index

91  
all docs

91  
docs citations

91  
times ranked

2818  
citing authors

#	ARTICLE	IF	CITATIONS
1	Circulating cell-free nucleic acids: characteristics and applications. <i>European Journal of Human Genetics</i> , 2018, 26, 937-945.	1.4	163
2	Placental protein 13 (galectin-13) has decreased placental expression but increased shedding and maternal serum concentrations in patients presenting with preterm pre-eclampsia and HELLP syndrome. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2008, 453, 387-400.	1.4	113
3	Circulating Cell-Free Nucleic Acids: Main Characteristics and Clinical Application. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6827.	1.8	110
4	DNA copy number variation: Main characteristics, evolutionary significance, and pathological aspects. <i>Biomedical Journal</i> , 2021, 44, 548-559.	1.4	89
5	Circulating angiogenic factors determined by electrochemiluminescence immunoassay in relation to the clinical features and laboratory parameters in women with pre-eclampsia. <i>Hypertension Research</i> , 2010, 33, 892-898.	1.5	80
6	Genetic Aspects of Preeclampsia and the HELLP Syndrome. <i>Journal of Pregnancy</i> , 2014, 2014, 1-13.	1.1	72
7	Detection of factor V Leiden mutation in severe pre-eclamptic Hungarian women. <i>Clinical Genetics</i> , 1998, 53, 478-481.	1.0	66
8	Association between tumor necrosis factor (TNF)- $\alpha$ G-308A gene polymorphism and preeclampsia complicated by severe fetal growth restriction. <i>Clinica Chimica Acta</i> , 2008, 392, 52-57.	0.5	60
9	Various levels of circulating exosomal total-miRNA and miR-210 hypoxamiR in different forms of pregnancy hypertension. <i>Pregnancy Hypertension</i> , 2017, 10, 207-212.	0.6	60
10	Gene network and canonical pathway analysis in prostate cancer: a microarray study. <i>Experimental and Molecular Medicine</i> , 2008, 40, 176.	3.2	56
11	Detection of cell-free, exosomal and whole blood mitochondrial DNA copy number in plasma or whole blood of patients with serous epithelial ovarian cancer. <i>Journal of Biotechnology</i> , 2019, 298, 76-81.	1.9	55
12	Association of increased serum heat shock protein 70 and C-reactive protein concentrations and decreased serum $\alpha$ 2-HS glycoprotein concentration with the syndrome of hemolysis, elevated liver enzymes, and low platelet count. <i>Journal of Reproductive Immunology</i> , 2007, 73, 172-179.	0.8	50
13	Relationship of circulating cell-free DNA levels to cell-free fetal DNA levels, clinical characteristics and laboratory parameters in preeclampsia. <i>BMC Medical Genetics</i> , 2009, 10, 120.	2.1	45
14	Circulating exosomal and Argonaute-bound microRNAs in preeclampsia. <i>Gene</i> , 2019, 692, 138-144.	1.0	45
15	Utilization of Benchtop Next Generation Sequencing Platforms Ion Torrent PGM and MiSeq in Noninvasive Prenatal Testing for Chromosome 21 Trisomy and Testing of Impact of In Silico and Physical Size Selection on Its Analytical Performance. <i>PLoS ONE</i> , 2015, 10, e0144811.	1.1	41
16	Novel Molecular Markers in Glioblastoma—Benefits of Liquid Biopsy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7522.	1.8	40
17	Association of extracellular superoxide dismutase (SOD3) Ala40Thr gene polymorphism with pre-eclampsia complicated by severe fetal growth restriction. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2009, 142, 134-138.	0.5	36
18	Elevated serum 70kDa heat shock protein level reflects tissue damage and disease severity in the syndrome of hemolysis, elevated liver enzymes, and low platelet count. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2008, 139, 133-138.	0.5	35

#	ARTICLE	IF	CITATIONS
19	Circulating epithelial-mesenchymal transition-associated miRNAs are promising biomarkers in ovarian cancer. <i>Journal of Biotechnology</i> , 2019, 297, 58-65.	1.9	32
20	Circulating miRNA Profiling in Plasma Samples of Ovarian Cancer Patients. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4533.	1.8	29
21	Identifying miRNA regulatory mechanisms in preeclampsia by systems biology approaches. <i>Hypertension in Pregnancy</i> , 2017, 36, 90-99.	0.5	28
22	Significance of liquid biopsy in glioblastoma – A review. <i>Journal of Biotechnology</i> , 2019, 298, 82-87.	1.9	28
23	Overexpression of CD24, c-myc and Phospholipase 2A in Prostate Cancer Tissue Samples Obtained by Needle Biopsy. <i>Pathology and Oncology Research</i> , 2009, 15, 279-283.	0.9	27
24	Inflammation and oxidative stress caused by nitric oxide synthase uncoupling might lead to left ventricular diastolic and systolic dysfunction in patients with hypertension. <i>Journal of Geriatric Cardiology</i> , 2015, 12, 1-10.	0.2	27
25	Circulating anti-heat-shock-protein antibodies in normal pregnancy and preeclampsia. <i>Cell Stress and Chaperones</i> , 2009, 14, 491-498.	1.2	26
26	Copy Number Variation: Methods and Clinical Applications. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 819.	1.3	26
27	Evaluation of the tyrosine kinase domain of the Met Proto-oncogene in sporadic ovarian carcinomas. <i>Pathology and Oncology Research</i> , 1999, 5, 187-191.	0.9	24
28	Detection of <i>Toxoplasma gondii</i> from amniotic fluid, a comparison of four different molecular biological methods. <i>Clinica Chimica Acta</i> , 2006, 368, 131-137.	0.5	24
29	Vascular endothelial growth factor (VEGF) polymorphisms in HELLP syndrome patients determined by quantitative real-time PCR and melting curve analyses. <i>Clinica Chimica Acta</i> , 2008, 389, 126-131.	0.5	24
30	Dystrophin gene analysis in Hungarian Duchenne/Becker muscular dystrophy families – Detection of carrier status in symptomatic and asymptomatic female relatives. <i>Neuromuscular Disorders</i> , 2009, 19, 108-112.	0.3	24
31	The Role of Exosomes in Cancer Progression. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8.	1.8	23
32	Comparison of placental growth factor and fetal flow Doppler ultrasonography to identify fetal adverse outcomes in women with hypertensive disorders of pregnancy: an observational study. <i>BMC Pregnancy and Childbirth</i> , 2013, 13, 161.	0.9	22
33	Synergistic antiproliferative effect of arsenic trioxide combined with bortezomib in HL60 cell line and primary blasts from patients affected by myeloproliferative disorders. <i>Cancer Genetics and Cytogenetics</i> , 2010, 199, 110-120.	1.0	21
34	Aberrant Methylation Status of Tumour Suppressor Genes in Ovarian Cancer Tissue and Paired Plasma Samples. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4119.	1.8	20
35	Expression of CD24 in plasma, exosome and ovarian tissue samples of serous ovarian cancer patients. <i>Journal of Biotechnology</i> , 2019, 298, 16-20.	1.9	20
36	Quantification of peripheral whole blood, cell-free plasma and exosome encapsulated mitochondrial DNA copy numbers in patients with atrial fibrillation. <i>Journal of Biotechnology</i> , 2019, 299, 66-71.	1.9	19

#	ARTICLE	IF	CITATIONS
37	Quantitative RT-PCR-based miRNA profiling of blastemal Wilms's™ tumors from formalin-fixed paraffin-embedded samples. <i>Journal of Biotechnology</i> , 2019, 298, 11-15.	1.9	19
38	Effects of curcumin on global gene expression profiles in the highly invasive human breast carcinoma cell line MDA-MB 231: A gene network-based microarray analysis. <i>Experimental and Therapeutic Medicine</i> , 2013, 5, 23-27.	0.8	17
39	Increased B-type natriuretic peptide levels in early-onset versus late-onset preeclampsia. <i>Clinical Chemistry and Laboratory Medicine</i> , 2014, 52, 281-8.	1.4	17
40	Non-invasive prenatal testing as a valuable source of population specific allelic frequencies. <i>Journal of Biotechnology</i> , 2019, 299, 72-78.	1.9	17
41	Role of hsa-miR-325 in the etiopathology of preeclampsia. <i>Molecular Medicine Reports</i> , 2012, 6, 597-600.	1.1	16
42	Rare novel variants in the ZIC3 gene cause X-linked heterotaxy. <i>European Journal of Human Genetics</i> , 2016, 24, 1783-1791.	1.4	15
43	Evaluation of a rapid and simple placental growth factor test in hypertensive disorders of pregnancy. <i>Hypertension Research</i> , 2013, 36, 457-462.	1.5	13
44	Elevated hsa-miR-99a levels in maternal plasma may indicate congenital heart defects. <i>Biomedical Reports</i> , 2015, 3, 869-873.	0.9	13
45	Detection of mtDNA deletion in Pearson syndrome by two independent PCR assays from Guthrie card. <i>Clinical Genetics</i> , 1998, 53, 210-213.	1.0	12
46	Combining count- and length-based <math>Z</math>-scores leads to improved predictions in non-invasive prenatal testing. <i>Bioinformatics</i> , 2019, 35, 1284-1291.	1.8	12
47	Shoulder dystocia related fetal neurological injuries: the predisposing roles of forceps and ventouse extractions. <i>Archives of Gynecology and Obstetrics</i> , 2008, 277, 415-422.	0.8	11
48	Leptin gene (TTTC)n microsatellite polymorphism in pre-eclampsia and HELLP syndrome. <i>Clinical Chemistry and Laboratory Medicine</i> , 2009, 47, 1033-7.	1.4	11
49	Leptin receptor (LEPR) SNP polymorphisms in HELLP syndrome patients determined by quantitative real-time PCR and melting curve analysis. <i>BMC Medical Genetics</i> , 2010, 11, 25.	2.1	11
50	Copy number variants detection by microarray and multiplex ligation-dependent probe amplification in congenital heart diseases. <i>Journal of Biotechnology</i> , 2019, 299, 86-95.	1.9	11
51	Rapid determination of trisomy 21 from amniotic fluid cells using single-nucleotide polymorphic loci. <i>Prenatal Diagnosis</i> , 2005, 25, 1138-1141.	1.1	10
52	The DNA isolation method has effect on allele drop-out and on the results of fluorescent PCR and DNA fragment analysis. <i>Clinica Chimica Acta</i> , 2005, 360, 128-132.	0.5	10
53	Cell-free nucleic acids in prenatal diagnosis and pregnancy-associated diseases. <i>Electronic Journal of the International Federation of Clinical Chemistry and Laboratory Medicine</i> , 2019, 30, 215-223.	0.7	10
54	Liquid Biopsy as a Source of Nucleic Acid Biomarkers in the Diagnosis and Management of Lynch Syndrome. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4284.	1.8	10

#	ARTICLE	IF	CITATIONS
55	Overrepresentation of Bcl polymorphism of the glucocorticoid receptor gene in pregnant women with HELLP syndrome. <i>Clinica Chimica Acta</i> , 2009, 405, 148-152.	0.5	9
56	Lower risk for Down syndrome associated with longer oral contraceptive use: a case-control study of women of advanced maternal age presenting for prenatal diagnosis. <i>Contraception</i> , 2013, 87, 455-458.	0.8	9
57	Relationship between cardiovascular diseases and circulating cell-free nucleic acids in human plasma. <i>Biomarkers in Medicine</i> , 2018, 12, 891-905.	0.6	9
58	Genetic predisposition in patients with hypertension and normal ejection fraction to oxidative stress. <i>Journal of the American Society of Hypertension</i> , 2016, 10, 124-132.	2.3	8
59	Identification of miR-146a and miR-196a-2 single nucleotide polymorphisms at patients with high-grade serous ovarian cancer. <i>Journal of Biotechnology</i> , 2019, 297, 54-57.	1.9	8
60	Noninvasive prenatal testing for congenital heart disease - cell-free nucleic acid and protein biomarkers in maternal blood. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2020, 33, 1044-1050.	0.7	7
61	The Cell-Free Expression of MiR200 Family Members Correlates with Estrogen Sensitivity in Human Epithelial Ovarian Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9725.	1.8	7
62	Under-Expression of $\beta$ -CD24 in Pre-Eclamptic Placental Tissues Determined by Quantitative Real-Time RT-PCR. <i>Fetal Diagnosis and Therapy</i> , 2008, 23, 263-266.	0.6	6
63	Association of $\epsilon$ -specific diplotypes defined by common rs1800682 and rare rs34995925 single nucleotide polymorphisms within the STAT1 transcription binding site of the FAS gene promoter with preeclampsia. <i>General Physiology and Biophysics</i> , 2014, 33, 199-204.	0.4	6
64	Analysis of Circulating miRNA Profile in Plasma Samples of Glioblastoma Patients. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5058.	1.8	6
65	miRNA Profiling of Hungarian Regressive Wilms' Tumor Formalin-Fixed Paraffin-Embedded (FFPE) Samples by Quantitative Real-Time Polymerase Chain Reaction (RT-PCR). <i>Medical Science Monitor</i> , 2021, 27, e932731.	0.5	6
66	Quantification of mtDNA in extracellular vesicles. <i>Methods in Enzymology</i> , 2020, 645, 119-140.	0.4	6
67	Prenatal diagnosis and fetopathological investigation of dorsolumbosacral agenesis. <i>Pathology Research and Practice</i> , 2009, 205, 490-493.	1.0	5
68	Natriuretic peptide precursor B gene (TTTC)n microsatellite polymorphism in pre-eclampsia. <i>Clinica Chimica Acta</i> , 2011, 412, 1371-1375.	0.5	5
69	Cell-Free Nucleic Acids. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5645.	1.8	5
70	Bortezomib and Arsenic Trioxide Activity on a Myelodysplastic Cell Line (P39): A Gene Expression Study. <i>Turkish Journal of Haematology</i> , 2015, 32, 206-212.	0.2	4
71	Detection of $\Delta$ F508del Using Quantitative Real-Time PCR, Comparison of the Results Obtained by Fluorescent PCR. <i>Fetal Diagnosis and Therapy</i> , 2007, 22, 63-67.	0.6	3
72	Trends in maternal mortality in Hungary between 1978 and 2010. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2014, 173, 29-33.	0.5	3

#	ARTICLE	IF	CITATIONS
73	Detection of sex chromosome aneuploidies using quantitative fluorescent PCR in the Hungarian population. <i>Clinica Chimica Acta</i> , 2015, 445, 2-6.	0.5	3
74	Application of real-time polymerase chain reaction in the clinical genetic practice. <i>Journal of Pediatric Genetics</i> , 2015, 02, 001-008.	0.3	3
75	Uncertainty of fetal fraction determination in Non-Invasive Prenatal Screening by highly polymorphic SNPs. <i>Journal of Biotechnology</i> , 2019, 299, 32-36.	1.9	3
76	PITX2 and NEURL1 SNP polymorphisms in Hungarian atrial fibrillation patients determined by quantitative real-time PCR and melting curve analysis. <i>Journal of Biotechnology</i> , 2019, 299, 44-49.	1.9	3
77	Comparative Analysis of Cell-Free miR-205-5p, let-7f-5p, and miR-483-5p Expression in Ovarian Cell Cultures and Plasma Samples of Patients with Ovarian Cancer. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1735.	1.3	3
78	Outcome of patients with mantle cell lymphoma is not influenced by vascular endothelial growth factor polymorphisms. <i>Leukemia and Lymphoma</i> , 2011, 52, 142-144.	0.6	2
79	P22. Evaluation of a new, simple and rapid placental growth factor test for the evaluation of hypertensive disorders in pregnancy. <i>Pregnancy Hypertension</i> , 2011, 1, 283.	0.6	2
80	Expression of VEGF in Neonatal Urinary Obstruction: Does Expression of VEGF Predict Hydronephrosis?. <i>Medical Science Monitor</i> , 2015, 21, 1319-1323.	0.5	2
81	20th anniversary " Department of Human Genetics, Faculty of Medicine, University of Debrecen " Current states and prospects of human genetics in Central-Eastern Europe. <i>Journal of Biotechnology</i> , 2019, 301, 1.	1.9	1
82	Letter to the Editor. <i>Journal of Cardiology</i> , 2012, 59, 97.	0.8	0
83	O9. The functional role of natriuretic peptides in preeclampsia. <i>Pregnancy Hypertension</i> , 2015, 5, 211.	0.6	0