

Bekim Sadikovic

List of Publications by Citations

Source: <https://exaly.com/author-pdf/652134/bekim-sadikovic-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

98

papers

2,128

citations

28

h-index

44

g-index

118

ext. papers

2,910

ext. citations

5.1

avg. IF

4.61

L-index

#	Paper	IF	Citations
98	Identification of a microRNA signature associated with progression of leukoplakia to oral carcinoma. <i>Human Molecular Genetics</i> , 2009 , 18, 4818-29	5.6	187
97	The clinical application of genome-wide sequencing for monogenic diseases in Canada: Position Statement of the Canadian College of Medical Geneticists. <i>Journal of Medical Genetics</i> , 2015 , 52, 431-7	5.8	137
96	Benzopyrene exposure disrupts DNA methylation and growth dynamics in breast cancer cells. <i>Toxicology and Applied Pharmacology</i> , 2006 , 216, 458-68	4.6	101
95	Identification of interactive networks of gene expression associated with osteosarcoma oncogenesis by integrated molecular profiling. <i>Human Molecular Genetics</i> , 2009 , 18, 1962-75	5.6	100
94	A common X-linked inborn error of carnitine biosynthesis may be a risk factor for nondysmorphic autism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 7974-79	11.5	94
93	Genomic DNA Methylation Signatures Enable Concurrent Diagnosis and Clinical Genetic Variant Classification in Neurodevelopmental Syndromes. <i>American Journal of Human Genetics</i> , 2018 , 102, 156-174	11.1	75
92	Clinical Validation of Copy Number Variant Detection from Targeted Next-Generation Sequencing Panels. <i>Journal of Molecular Diagnostics</i> , 2017 , 19, 905-920	5.1	75
91	Discovery of novel hypermethylated genes in prostate cancer using genomic CpG island microarrays. <i>PLoS ONE</i> , 2009 , 4, e4830	3.7	74
90	In vitro analysis of integrated global high-resolution DNA methylation profiling with genomic imbalance and gene expression in osteosarcoma. <i>PLoS ONE</i> , 2008 , 3, e2834	3.7	66
89	Genome-wide H3K9 histone acetylation profiles are altered in benzopyrene-treated MCF7 breast cancer cells. <i>Journal of Biological Chemistry</i> , 2008 , 283, 4051-60	5.4	60
88	Diagnostic Utility of Genome-wide DNA Methylation Testing in Genetically Unsolved Individuals with Suspected Hereditary Conditions. <i>American Journal of Human Genetics</i> , 2019 , 104, 685-700	11	57
87	Evaluation of DNA Methylation Episignatures for Diagnosis and Phenotype Correlations in 42 Mendelian Neurodevelopmental Disorders. <i>American Journal of Human Genetics</i> , 2020 , 106, 356-370	11	51
86	Identification of a methylation profile for DNMT1-associated autosomal dominant cerebellar ataxia, deafness, and narcolepsy. <i>Clinical Epigenetics</i> , 2016 , 8, 91	7.7	50
85	BAFopathies: DNA methylation epi-signatures demonstrate diagnostic utility and functional continuum of Coffin-Siris and Nicolaides-Baraitser syndromes. <i>Nature Communications</i> , 2018 , 9, 4885	17.4	48
84	NLRP7 affects trophoblast lineage differentiation, binds to overexpressed YY1 and alters CpG methylation. <i>Human Molecular Genetics</i> , 2014 , 23, 706-16	5.6	46
83	Decitabine-induced demethylation of 5RCpG island in GADD45A leads to apoptosis in osteosarcoma cells. <i>Neoplasia</i> , 2008 , 10, 471-80	6.4	45
82	The defining DNA methylation signature of Kabuki syndrome enables functional assessment of genetic variants of unknown clinical significance. <i>Epigenetics</i> , 2017 , 12, 923-933	5.7	43

81	Sequence homology at the breakpoint and clinical phenotype of mitochondrial DNA deletion syndromes. <i>PLoS ONE</i> , 2010 , 5, e15687	3.7	43
80	Identification of epigenetic signature associated with alpha thalassemia/mental retardation X-linked syndrome. <i>Epigenetics and Chromatin</i> , 2017 , 10, 10	5.8	39
79	Mutation Update for UBE3A variants in Angelman syndrome. <i>Human Mutation</i> , 2014 , 35, 1407-17	4.7	38
78	The defining DNA methylation signature of Floating-Harbor Syndrome. <i>Scientific Reports</i> , 2016 , 6, 38803	4.9	38
77	Peripheral blood epi-signature of Claes-Jensen syndrome enables sensitive and specific identification of patients and healthy carriers with pathogenic mutations in. <i>Clinical Epigenetics</i> , 2018 , 10, 21	7.7	37
76	Screening for genes that accelerate the epigenetic aging clock in humans reveals a role for the H3K36 methyltransferase NSD1. <i>Genome Biology</i> , 2019 , 20, 146	18.3	36
75	Recurrent genomic alterations in sequential progressive leukoplakia and oral cancer: drivers of oral tumorigenesis?. <i>Human Molecular Genetics</i> , 2014 , 23, 2618-28	5.6	36
74	Clinical Next-Generation Sequencing Pipeline Outperforms a Combined Approach Using Sanger Sequencing and Multiplex Ligation-Dependent Probe Amplification in Targeted Gene Panel Analysis. <i>Journal of Molecular Diagnostics</i> , 2016 , 18, 657-667	5.1	36
73	Gene domain-specific DNA methylation epesignatures highlight distinct molecular entities of ADNP syndrome. <i>Clinical Epigenetics</i> , 2019 , 11, 64	7.7	29
72	Clinical Validation of a Genome-Wide DNA Methylation Assay for Molecular Diagnosis of Imprinting Disorders. <i>Journal of Molecular Diagnostics</i> , 2017 , 19, 848-856	5.1	29
71	Gender and BCR-ABL transcript type are correlated with molecular response to imatinib treatment in patients with chronic myeloid leukemia. <i>European Journal of Haematology</i> , 2016 , 96, 360-6	3.8	28
70	Clinical Validation of Fragile X Syndrome Screening by DNA Methylation Array. <i>Journal of Molecular Diagnostics</i> , 2016 , 18, 834-841	5.1	28
69	Genomic DNA Methylation-Derived Algorithm Enables Accurate Detection of Malignant Prostate Tissues. <i>Frontiers in Oncology</i> , 2018 , 8, 100	5.3	25
68	DNA methylation analysis using CpG microarrays is impaired in benzopyrene exposed cells. <i>Toxicology and Applied Pharmacology</i> , 2007 , 225, 300-9	4.6	23
67	Frameshift mutations at the C-terminus of HIST1H1E result in a specific DNA hypomethylation signature. <i>Clinical Epigenetics</i> , 2020 , 12, 7	7.7	23
66	DNA methylation signatures in mendelian developmental disorders as a diagnostic bridge between genotype and phenotype. <i>Epigenomics</i> , 2019 , 11, 563-575	4.4	21
65	DNA methylation analysis in constitutional disorders: Clinical implications of the epigenome. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2016 , 53, 147-65	9.4	21
64	The ClinGen Epilepsy Gene Curation Expert Panel-Bridging the divide between clinical domain knowledge and formal gene curation criteria. <i>Human Mutation</i> , 2018 , 39, 1476-1484	4.7	21

63	Data sharing as a national quality improvement program: reporting on BRCA1 and BRCA2 variant-interpretation comparisons through the Canadian Open Genetics Repository (COGR). <i>Genetics in Medicine</i> , 2018 , 20, 294-302	8.1	20
62	Characterization of functional elements in the neurofibromatosis (NF1) proximal promoter region. <i>Oncogene</i> , 2004 , 23, 330-9	9.2	20
61	Implementation of an NGS-based sequencing and gene fusion panel for clinical screening of patients with suspected hematologic malignancies. <i>European Journal of Haematology</i> , 2019 , 103, 178-189	3.8	16
60	Clinical evaluation of a hemochromatosis next-generation sequencing gene panel. <i>European Journal of Haematology</i> , 2017 , 98, 228-234	3.8	15
59	Constitutional Epi/Genetic Conditions: Genetic, Epigenetic, and Environmental Factors. <i>Journal of Pediatric Genetics</i> , 2017 , 6, 30-41	0.7	13
58	Genotypes of chronic progressive external ophthalmoplegia in a large adult-onset cohort. <i>Mitochondrion</i> , 2019 , 49, 227-231	4.9	13
57	Genome-wide DNA methylation and RNA analyses enable reclassification of two variants of uncertain significance in a patient with clinical Kabuki syndrome. <i>Human Mutation</i> , 2019 , 40, 1684-1689	4.7	12
56	SPEN haploinsufficiency causes a neurodevelopmental disorder overlapping proximal 1p36 deletion syndrome with an epismature of X chromosomes in females. <i>American Journal of Human Genetics</i> , 2021 , 108, 502-516	11	12
55	Movement Disorders Associated With Hemochromatosis. <i>Canadian Journal of Neurological Sciences</i> , 2016 , 43, 801-808	1	11
54	Array comparative genomic hybridization in osteosarcoma. <i>Methods in Molecular Biology</i> , 2013 , 973, 227-47	4.7	10
53	Immunohistochemical expression and cluster analysis of mesenchymal and neural stem cell-associated proteins in pediatric soft tissue sarcomas. <i>Pediatric and Developmental Pathology</i> , 2011 , 14, 259-72	2.2	10
52	Clinical epigenomics: genome-wide DNA methylation analysis for the diagnosis of Mendelian disorders. <i>Genetics in Medicine</i> , 2021 , 23, 1065-1074	8.1	10
51	Functional annotation of genomic variation: DNA methylation epismatures in neurodevelopmental Mendelian disorders. <i>Human Molecular Genetics</i> , 2020 , 29, R27-R32	5.6	9
50	Chronic maternal protein deprivation in mice is associated with overexpression of the cohesin-mediator complex in liver of their offspring. <i>Journal of Nutrition</i> , 2011 , 141, 2106-12	4.1	8
49	De novo SMARCA2 variants clustered outside the helicase domain cause a new recognizable syndrome with intellectual disability and blepharophimosis distinct from Nicolaides-Baraitser syndrome. <i>Genetics in Medicine</i> , 2020 , 22, 1838-1850	8.1	8
48	Diagnostic Utility of Genome-Wide DNA Methylation Analysis in Mendelian Neurodevelopmental Disorders. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7
47	Cross-oncopanel study reveals high sensitivity and accuracy with overall analytical performance depending on genomic regions. <i>Genome Biology</i> , 2021 , 22, 109	18.3	6
46	Genetic and epigenetic profiling of BRCA1/2 in ovarian tumors reveals additive diagnostic yield and evidence of a genomic BRCA1/2 DNA methylation signature. <i>Journal of Human Genetics</i> , 2020 , 65, 865-873	4.3	5

45	Glucose-induced, duration-dependent genome-wide DNA methylation changes in human endothelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2020 , 319, C268-C276	5.4	5
44	Clinical value of next-generation sequencing compared to cytogenetics in patients with suspected myelodysplastic syndrome. <i>British Journal of Haematology</i> , 2021 , 192, 729-736	4.5	5
43	Implementation of Epilepsy Multigene Panel Testing in Ontario, Canada. <i>Canadian Journal of Neurological Sciences</i> , 2020 , 47, 61-68	1	4
42	DNA methylation epi-signature is associated with two molecularly and phenotypically distinct clinical subtypes of Phelan-McDermid syndrome. <i>Clinical Epigenetics</i> , 2021 , 13, 2	7.7	4
41	Epigenomic Mechanisms of Human Developmental Disorders 2018 , 837-859		4
40	Genomics and epigenomics in pediatric oncology and clinical laboratory genetics. <i>Clinical Biochemistry</i> , 2014 , 47, 731-2	3.5	3
39	CPEO - Like mitochondrial myopathy associated with m.8340G>A mutation. <i>Mitochondrion</i> , 2019 , 46, 69-72	4.9	3
38	Delineating the molecular and phenotypic spectrum of the SETD1B-related syndrome. <i>Genetics in Medicine</i> , 2021 , 23, 2122-2137	8.1	3
37	Multisite verification of the accuracy of a multi-gene next generation sequencing panel for detection of mutations and copy number alterations in solid tumours. <i>PLoS ONE</i> , 2021 , 16, e0258188	3.7	3
36	Validation and clinical performance of a combined nuclear-mitochondrial next-generation sequencing and copy number variant analysis panel in a Canadian population. <i>American Journal of Medical Genetics, Part A</i> , 2021 , 185, 486-499	2.5	2
35	EpiSigns. <i>Advances in Molecular Pathology</i> , 2020 , 3, 29-39	0.3	2
34	Bone marrow-derived mitochondrial DNA has limited capacity for inter-tissue transfer in vivo. <i>FASEB Journal</i> , 2020 , 34, 9297-9306	0.9	2
33	Genomic data in prognostic models-what is lost in translation? The case of deletion 17p and mutant TP53 in chronic lymphocytic leukaemia. <i>British Journal of Haematology</i> , 2020 , 188, 652-660	4.5	2
32	Comprehensive genetic sequence and copy number analysis for Charcot-Marie-Tooth disease in a Canadian cohort of 2517 patients. <i>Journal of Medical Genetics</i> , 2021 , 58, 284-288	5.8	2
31	A 42-year-old man with elevated ferritin. <i>Cmaj</i> , 2015 , 187, 820-821	3.5	1
30	Epigenetic Mediation of Environmental Exposures to Polycyclic Aromatic Hydrocarbons 2012 , 111-127		1
29	Clinical findings and a DNA methylation signature in kindreds with alterations in ZNF711.. <i>European Journal of Human Genetics</i> , 2022 ,	5.3	1
28	Serum erythropoietin levels in 696 patients investigated for erythrocytosis with JAK2 mutation analysis.. <i>American Journal of Hematology</i> , 2022 ,	7.1	1

27	DNA methylation epesignature testing improves molecular diagnosis of Mendelian chromatinopathies.. <i>Genetics in Medicine</i> , 2021 ,	8.1	1
26	A Prediction Rule to Guide JAK2 Testing in Patients with Suspected Polycythemia Vera. <i>Blood</i> , 2021 , 138, 4635-4635	2.2	1
25	Novel diagnostic DNA methylation epesignatures expand and refine the epigenetic landscapes of Mendelian disorders.. <i>Human Genetics and Genomics Advances</i> , 2022 , 3, 100075	0.8	1
24	Reducing cytogenetic testing in the era of next generation sequencing: Are we choosing wisely?. <i>International Journal of Laboratory Hematology</i> , 2021 ,	2.5	1
23	Complete elimination of a pathogenic homoplasmic mtDNA mutation in one generation. <i>Mitochondrion</i> , 2019 , 45, 18-21	4.9	1
22	Genetic Testing in Children with Epilepsy: Report of a Single-Center Experience. <i>Canadian Journal of Neurological Sciences</i> , 2021 , 48, 233-244	1	1
21	Discovery of a novel CHD7 CHARGE syndrome variant by integrated omics analyses. <i>American Journal of Medical Genetics, Part A</i> , 2021 , 185, 544-548	2.5	1
20	Clinical and technical assessment of MedExome vs. NGS panels in patients with suspected genetic disorders in Southwestern Ontario. <i>Journal of Human Genetics</i> , 2021 , 66, 451-464	4.3	1
19	Detection of a DNA Methylation Signature for the Intellectual Developmental Disorder, X-Linked, Syndromic, Armfield Type. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
18	Incidental findings from cancer next generation sequencing panels. <i>Npj Genomic Medicine</i> , 2021 , 6, 63	6.2	1
17	Deficiency of TET3 leads to a genome-wide DNA hypermethylation epesignature in human whole blood. <i>Npj Genomic Medicine</i> , 2021 , 6, 92	6.2	0
16	Investigating Erythrocytosis: Changing Practice Patterns in the Era of Molecular Diagnostics. <i>Blood</i> , 2021 , 138, 4630-4630	2.2	0
15	The Impact of Artificial Intelligence on Health Equity in Oncology: A Scoping Review. <i>Blood</i> , 2021 , 138, 4934-4934	2.2	0
14	Consensus Recommendations for MRD Testing in Adult B-Cell Acute Lymphoblastic Leukemia in Ontario. <i>Current Oncology</i> , 2021 , 28, 1376-1387	2.8	0
13	Analysis of Sequence and Copy Number Variants in Canadian Patient Cohort With Familial Cancer Syndromes Using a Unique Next Generation Sequencing Based Approach. <i>Frontiers in Genetics</i> , 2021 , 12, 698595	4.5	0
12	Childhood-onset dystonia-causing KMT2B variants result in a distinctive genomic hypermethylation profile. <i>Clinical Epigenetics</i> , 2021 , 13, 157	7.7	0
11	Genome-wide DNA methylation profiling confirms a case of low-level mosaic Kabuki syndrome 1.. <i>American Journal of Medical Genetics, Part A</i> , 2022 ,	2.5	0
10	Clinical Utility of Implementing a Frontline NGS-Based DNA and RNA Fusion Panel Test for Patients with Suspected Myeloid Malignancies.. <i>Molecular Diagnosis and Therapy</i> , 2022 , 1	4.5	0

9	Porphyria cutanea tarda associated with elevated serum ferritin, iron overload, and a bone morphogenetic protein 6 genetic variant. <i>Canadian Liver Journal</i> , 2020 , 3, 232-234	0.3
8	Identifying Myeloid Mutations By NGS in Patients with Unexplained Erythrocytosis. <i>Blood</i> , 2020 , 136, 47-47	2.2
7	Reducing Cytogenetic Testing in the Era of Next Generation Sequencing (NGS); Are We Choosing Wisely?. <i>Blood</i> , 2020 , 136, 12-13	2.2
6	Near complete deletion of KMT2D in a college student.. <i>American Journal of Medical Genetics, Part A</i> , 2022 ,	2.5
5	Multiparametric magnetic resonance imaging of multifocal prostate cancer to reveal intra-prostatic genomic heterogeneity and novel radio-genomic correlates: Results of the Smarter Prostate Interventions and Therapeutics (SPIRIT) study.. <i>Journal of Clinical Oncology</i> , 2020 , 38, 20-20	2.2
4	The Clinical Application of OncoPrint Myeloid Next Generation Sequencing (NGS): Comparison of Cytogenetics and NGS in Patients with Suspected Myelodysplastic Syndrome. <i>Blood</i> , 2019 , 134, 3375-3375 ²	
3	Retrospective Evaluation of Patients Referred for Hemochromatosis Genetic Testing. <i>Blood</i> , 2014 , 124, 4035-4035	2.2
2	A case of congenital prothrombin deficiency with two concurrent mutations in the prothrombin gene. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2021 , 5, e12510	5.1
1	A Pan-Canadian Validation Study for the Detection of T790M Mutation Using Circulating Tumor DNA From Peripheral Blood. <i>JTO Clinical and Research Reports</i> , 2021 , 2, 100212	1.4