Joseph L Wiemels

List of Publications by Year
in descending order

134 papers	6,180 citations	101384 36 h-index	79541 73 g-index
139 all docs	139 docs citations	139 times ranked	9833 citing authors

#	Article	IF	Citations
1	Epidemiology and etiology of meningioma. Journal of Neuro-Oncology, 2010, 99, 307-314.	1.4	866
2	Leukemia in twins: lessons in natural history. Blood, 2003, 102, 2321-2333.	0.6	450
3	Whole-genome fingerprint of the DNA methylome during human B cell differentiation. Nature Genetics, 2015, 47, 746-756.	9.4	278
4	In utero origin of t(8;21) AML1-ETO translocations in childhood acute myeloid leukemia. Blood, 2002, 99, 3801-3805.	0.6	247
5	Adult infiltrating gliomas with WHO 2016 integrated diagnosis: additional prognostic roles of ATRX and TERT. Acta Neuropathologica, 2017, 133, 1001-1016.	3.9	245
6	Maternal BMI at the start of pregnancy and offspring epigenome-wide DNA methylation: findings from the pregnancy and childhood epigenetics (PACE) consortium. Human Molecular Genetics, 2017, 26, 4067-4085.	1.4	211
7	Perspectives on the causes of childhood leukemia. Chemico-Biological Interactions, 2012, 196, 59-67.	1.7	188
8	Variants near TERT and TERC influencing telomere length are associated with high-grade glioma risk. Nature Genetics, 2014, 46, 731-735.	9.4	161
9	History of allergies among adults with glioma and controls. International Journal of Cancer, 2002, 98, 609-615.	2.3	149
10	Meta-analysis of epigenome-wide association studies in neonates reveals widespread differential DNA methylation associated with birthweight. Nature Communications, 2019, 10, 1893.	5.8	140
11	Low NAD(P)H:quinone oxidoreductase 1 activity is associated with increased risk of acute leukemia in adults. Blood, 2001, 97, 1422-1426.	0.6	125
12	Reduced Immunoglobulin E and Allergy among Adults with Glioma Compared with Controls. Cancer Research, 2004, 64, 8468-8473.	0.4	115
13	Site-specific translocation and evidence of postnatal origin of the t(1;19) E2A-PBX1 fusion in childhood acute lymphoblastic leukemia. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 15101-15106.	3.3	104
14	Childhood Leukemia and Primary Prevention. Current Problems in Pediatric and Adolescent Health Care, 2016, 46, 317-352.	0.8	89
15	Longer genotypically-estimated leukocyte telomere length is associated with increased adult glioma risk. Oncotarget, 2015, 6, 42468-42477.	0.8	87
16	Epigenome-wide meta-analysis of blood DNA methylation in newborns and children identifies numerous loci related to gestational age. Genome Medicine, 2020, 12, 25.	3.6	81
17	Trends in childhood leukemia incidence over two decades from 1992 to 2013. International Journal of Cancer, 2017, 140, 1000-1008.	2.3	77
18	Cytogenetics of Hispanic and White Children with Acute Lymphoblastic Leukemia in California. Cancer Epidemiology Biomarkers and Prevention, 2006, 15, 578-581.	1.1	75

#	Article	IF	Citations
19	GWAS in childhood acute lymphoblastic leukemia reveals novel genetic associations at chromosomes 17q12 and 8q24.21. Nature Communications, 2018, 9, 286.	5.8	75
20	IgE, allergy, and risk of glioma: Update from the San Francisco Bay Area Adult Glioma Study in the Temozolomide era. International Journal of Cancer, 2009, 125, 680-687.	2.3	73
21	Telomere maintenance and the etiology of adult glioma. Neuro-Oncology, 2015, 17, 1445-1452.	0.6	70
22	Tobacco Smoke Exposure and the Risk of Childhood Acute Lymphoblastic and Myeloid Leukemias by Cytogenetic Subtype. Cancer Epidemiology Biomarkers and Prevention, 2013, 22, 1600-1611.	1.1	67
23	Ethnic Difference in Daycare Attendance, Early Infections, and Risk of Childhood Acute Lymphoblastic Leukemia. Cancer Epidemiology Biomarkers and Prevention, 2005, 14, 1928-1934.	1.1	66
24	Allergy-Related Polymorphisms Influence Glioma Status and Serum IgE Levels. Cancer Epidemiology Biomarkers and Prevention, 2007, 16, 1229-1235.	1.1	65
25	Profound Deficit of IL10 at Birth in Children Who Develop Childhood Acute Lymphoblastic Leukemia. Cancer Epidemiology Biomarkers and Prevention, 2011, 20, 1736-1740.	1.1	64
26	Understanding inherited genetic risk of adult glioma – a review. Neuro-Oncology Practice, 2016, 3, 10-16.	1.0	62
27	Genetic Variation Associated with Longer Telomere Length Increases Risk of Chronic Lymphocytic Leukemia. Cancer Epidemiology Biomarkers and Prevention, 2016, 25, 1043-1049.	1.1	61
28	Immunomethylomic approach to explore the blood neutrophil lymphocyte ratio (NLR) in glioma survival. Clinical Epigenetics, 2017, 9, 10.	1.8	60
29	Household Exposure to Paint and Petroleum Solvents, Chromosomal Translocations, and the Risk of Childhood Leukemia. Environmental Health Perspectives, 2009, 117, 133-139.	2.8	57
30	In utero cytomegalovirus infection and development of childhood acute lymphoblastic leukemia. Blood, 2017, 129, 1680-1684.	0.6	55
31	Rising rates of acute lymphoblastic leukemia in Hispanic children: trends in incidence from 1992 to 2011. Blood, 2015, 125, 3033-3034.	0.6	53
32	The proliferative history shapes the DNA methylome of B-cell tumors and predicts clinical outcome. Nature Cancer, 2020, 1, 1066-1081.	5.7	51
33	Medically diagnosed infections and risk of childhood leukaemia: a population-based case–control study. International Journal of Epidemiology, 2012, 41, 1050-1059.	0.9	49
34	Quality of life after surgery for intracranial meningioma. Cancer, 2018, 124, 161-166.	2.0	47
35	Genome-wide CpG island methylation and intergenic demethylation propensities vary among different tumor sites. Nucleic Acids Research, 2016, 44, 1105-1117.	6.5	44
36	Epigenomic profiling of newborns with isolated orofacial clefts reveals widespread DNA methylation changes and implicates metastable epiallele regions in disease risk. Epigenetics, 2019, 14, 198-213.	1.3	43

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37	Epigenetic remodeling in B-cell acute lymphoblastic leukemia occurs in two tracks and employs embryonic stem cell-like signatures. Nucleic Acids Research, 2015, 43, 2590-2602.	6.5	42
38	Periconceptional folate consumption is associated with neonatal DNA methylation modifications in neural crest regulatory and cancer development genes. Epigenetics, 2015, 10, 1166-1176.	1.3	41
39	Enhancement of myeloid cell growth by benzene metabolites via the production of active oxygen species. Free Radical Research, 1999, 30, 93-103.	1.5	38
40	Chromosomal Translocations in Childhood Leukemia: Natural History, Mechanisms, and Epidemiology. Journal of the National Cancer Institute Monographs, 2008, 2008, 87-90.	0.9	38
41	Serum macrophage-derived chemokine/CCL22 levels are associated with glioma risk, CD4 T cell lymphopenia and survival time. International Journal of Cancer, 2015, 137, 826-836.	2.3	38
42	A Heritable Missense Polymorphism in *CDKN2A* Confers Strong Risk of Childhood Acute Lymphoblastic Leukemia and Is Preferentially Selected during Clonal Evolution. Cancer Research, 2015, 75, 4884-4894.	0.4	38
43	Inherited genetic susceptibility to acute lymphoblastic leukemia in Down syndrome. Blood, 2019, 134, 1227-1237.	0.6	37
44	Genetic determinants of blood-cell traits influence susceptibility to childhood acute lymphoblastic leukemia. American Journal of Human Genetics, 2021, 108, 1823-1835.	2.6	37
45	Backtracking RAS mutations in high hyperdiploid childhood acute lymphoblastic leukemia. Blood Cells, Molecules, and Diseases, 2010, 45, 186-191.	0.6	35
46	Direct and Indirect Targets of the E2A-PBX1 Leukemia-Specific Fusion Protein. PLoS ONE, 2014, 9, e87602.	1.1	34
47	Cesarean Section and Risk of Childhood Acute Lymphoblastic Leukemia in a Population-Based, Record-Linkage Study in California. American Journal of Epidemiology, 2017, 185, 96-105.	1.6	34
48	Genetic contribution to variation in DNA methylation at maternal smoking-sensitive loci in exposed neonates. Epigenetics, 2016, 11, 664-673.	1.3	32
49	Body mass index, comorbidities, and hormonal factors in relation to meningioma in an ethnically diverse population: the Multiethnic Cohort. Neuro-Oncology, 2019, 21, 498-507.	0.6	32
50	The genome-wide impact of trisomy 21 on DNA methylation and its implications for hematopoiesis. Nature Communications, 2021, 12, 821.	5.8	32
51	Genomic ancestry and somatic alterations correlate with age at diagnosis in Hispanic children with B‐cell acute lymphoblastic leukemia. American Journal of Hematology, 2014, 89, 721-725.	2.0	30
52	Correlates of Prenatal and Early-Life Tobacco Smoke Exposure and Frequency of Common Gene Deletions in Childhood Acute Lymphoblastic Leukemia. Cancer Research, 2017, 77, 1674-1683.	0.4	28
53	Perinatal factors associated with clinical presentation of osteosarcoma in children and adolescents. Pediatric Blood and Cancer, 2017, 64, e26349.	0.8	28
54	Chromosome 12p Deletions in *TEL-AML1* Childhood Acute Lymphoblastic Leukemia Are Associated with Retrotransposon Elements and Occur Postnatally. Cancer Research, 2008, 68, 9935-9944.	0.4	26

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55	To ERV Is Human: A Phenotype-Wide Scan Linking Polymorphic Human Endogenous Retrovirus-K Insertions to Complex Phenotypes. Frontiers in Genetics, 2018, 9, 298.	1.1	26
56	Clustering of Translocation Breakpoints. Journal of the American Statistical Association, 2002, 97, 66-76.	1.8	25
57	Association of common genetic variation in the protein C pathway genes with clinical outcomes in acute respiratory distress syndrome. Critical Care, 2016, 20, 151.	2.5	25
58	An overview of disparities in childhood cancer: Report on the Inaugural Symposium on Childhood Cancer Health Disparities, Houston, Texas, 2016. Pediatric Hematology and Oncology, 2018, 35, 95-110.	0.3	25
59	Variant to function mapping at single-cell resolution through network propagation. Nature Biotechnology, 2022, 40, 1644-1653.	9.4	25
60	Germline genetic landscape of pediatric central nervous system tumors. Neuro-Oncology, 2019, 21, 1376-1388.	0.6	24
61	Germline cancer predisposition variants and pediatric glioma: a population-based study in California. Neuro-Oncology, 2020, 22, 864-874.	0.6	24
62	Genome-wide association analysis identifies a meningioma risk locus at 11p15.5. Neuro-Oncology, 2018, 20, 1485-1493.	0.6	23
63	*BMI1* enhancer polymorphism underlies chromosome 10p12.31 association with childhood acute lymphoblastic leukemia. International Journal of Cancer, 2018, 143, 2647-2658.	2.3	23
64	Using germline variants to estimate glioma and subtype risks. Neuro-Oncology, 2019, 21, 451-461.	0.6	23
65	Trends in Acute Lymphoblastic Leukemia Incidence in the United States by Race/Ethnicity From 2000 to 2016. American Journal of Epidemiology, 2021, 190, 519-527.	1.6	23
66	Common genetic variation and risk of osteosarcoma in a multi-ethnic pediatric and adolescent population. Bone, 2020, 130, 115070.	1.4	22
67	Maternal Infection in Pregnancy and Childhood Leukemia: A Systematic Review and Meta-analysis. Journal of Pediatrics, 2020, 217, 98-109.e8.	0.9	22
68	Mendelian randomization provides support for obesity as a risk factor for meningioma. Scientific Reports, 2019, 9, 309.	1.6	21
69	Risk of Squamous Cell Carcinoma of the Skin in Relation to IgE: a Nested Case–Control Study. Cancer Epidemiology Biomarkers and Prevention, 2011, 20, 2377-2383.	1.1	20
70	Genetic determinants of childhood and adult height associated with osteosarcoma risk. Cancer, 2018, 124, 3742-3752.	2.0	20
71	Adult diffuse glioma GWAS by molecular subtype identifies variants in *D2HGDH* and *FAM20C*. Neuro-Oncology, 2020, 22, 1602-1613.	0.6	19
72	Medulloblastoma uses GABA transaminase to survive in the cerebrospinal fluid microenvironment and promote leptomeningeal dissemination. Cell Reports, 2021, 35, 109302.	2.9	19

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73	Heritable variation at the chromosome 21 gene ERG is associated with acute lymphoblastic leukemia risk in children with and without Down syndrome. Leukemia, 2019, 33, 2746-2751.	3.3	18
74	Early Infection with Cytomegalovirus and Risk of Childhood Hematologic Malignancies. Cancer Epidemiology Biomarkers and Prevention, 2019, 28, 1024-1027.	1.1	18
75	Accelerated epigenetic aging in newborns with Down syndrome. Aging Cell, 2022, 21, .	3.0	17
76	European genetic ancestry associated with risk of childhood ependymoma. Neuro-Oncology, 2020, 22, 1637-1646.	0.6	16
77	Backtracking of Leukemic Clones to Birth. Methods in Molecular Biology, 2009, 538, 7-27.	0.4	16
78	Genetic predisposition to longer telomere length and risk of childhood, adolescent and adult-onset ependymoma. Acta Neuropathologica Communications, 2020, 8, 173.	2.4	15
79	Outdoor artificial light at night and risk of non-Hodgkin lymphoma among women in the California Teachers Study cohort. Cancer Epidemiology, 2020, 69, 101811.	0.8	15
80	Neonatal Hormone Concentrations and Risk of Testicular Germ Cell Tumors (TGCT). Cancer Epidemiology Biomarkers and Prevention, 2018, 27, 488-495.	1.1	14
81	Non-additive and epistatic effects of HLA polymorphisms contributing to risk of adult glioma. Journal of Neuro-Oncology, 2017, 135, 237-244.	1.4	13
82	Socioeconomic status and childhood central nervous system tumors in California. Cancer Causes and Control, 2021, 32, 27-39.	0.8	13
83	Clonal and microclonal mutational heterogeneity in high hyperdiploid acute lymphoblastic leukemia. Oncotarget, 2016, 7, 72733-72745.	0.8	12
84	Serum Immunoglobulin E and Risk of Pancreatic Cancer in the Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial. Cancer Epidemiology Biomarkers and Prevention, 2014, 23, 1414-1420.	1.1	11
85	Birth weight and risk of paediatric Hodgkin lymphoma: Findings from a population-based record linkage study in California. European Journal of Cancer, 2016, 69, 19-27.	1.3	11
86	Pathway Analysis of Genome-wide Association Study in Childhood Leukemia among Hispanics. Cancer Epidemiology Biomarkers and Prevention, 2016, 25, 815-822.	1.1	11
87	Genomic characterization of chronic lymphocytic leukemia (CLL) in radiation-exposed Chornobyl cleanup workers. Environmental Health, 2018, 17, 43.	1.7	11
88	Longer genotypically-estimated leukocyte telomere length is associated with increased meningioma risk. Journal of Neuro-Oncology, 2019, 142, 479-487.	1.4	11
89	Assessment of Autoantibodies to Meningioma in a Population-based Study. American Journal of Epidemiology, 2013, 177, 75-83.	1.6	10
90	Excess winter deaths caused by cardiovascular diseases are associated with both mild winter temperature and socio-economic inequalities in the U.S.. International Journal of Cardiology, 2015, 187, 642-644.	0.8	10

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91	Decreased IL-10 accelerates B-cell leukemia/lymphoma in a mouse model of pediatric lymphoid leukemia. Blood Advances, 2022, 6, 854-865.	2.5	10
92	Birth weight, fetal growth, and risk of pediatric rhabdomyosarcoma: an updated record linkage study in California. Annals of Epidemiology, 2016, 26, 141-145.	0.9	9
93	Matching on Race and Ethnicity in Case-Control Studies as a Means of Control for Population Stratification. Epidemiology (Sunnyvale, Calif), 2011, 01, 101.	0.3	9
94	Genome-wide trans-ethnic meta-analysis identifies novel susceptibility loci for childhood acute lymphoblastic leukemia. Leukemia, 2022, 36, 865-868.	3.3	9
95	Increased neonatal level of arginase 2 in cases of childhood acute lymphoblastic leukemia implicates immunosuppression in the etiology. Haematologica, 2019, 104, e514-e516.	1.7	8
96	Birth Characteristics and Risk of Pediatric Thyroid Cancer: A Population-Based Record-Linkage Study in California. Thyroid, 2021, 31, 596-606.	2.4	8
97	<i>In utero</i> and early-life exposure to thirdhand smoke causes profound changes to the immune system. Clinical Science, 2021, 135, 1053-1063.	1.8	8
98	Spatial–Temporal Cluster Analysis of Childhood Cancer in California. Epidemiology, 2020, 31, 214-223.	1.2	7
99	Epigenetic Biomarkers of Prenatal Tobacco Smoke Exposure Are Associated with Gene Deletions in Childhood Acute Lymphoblastic Leukemia. Cancer Epidemiology Biomarkers and Prevention, 2021, 30, 1517-1525.	1.1	7
100	Common maternal infections during pregnancy and childhood leukaemia in the offspring: findings from six international birth cohorts. International Journal of Epidemiology, 2022, 51, 769-777.	0.9	7
101	Integrative Bayesian variable selection with gene-based informative priors for genome-wide association studies. BMC Genetics, 2014, 15, 130.	2.7	6
102	Pediatric glioma and medulloblastoma risk and population demographics: a Poisson regression analysis. Neuro-Oncology Advances, 2020, 2, vdaa089.	0.4	6
103	Allergies and Childhood Acute Lymphoblastic Leukemia: A Case–Control Study and Meta-analysis. Cancer Epidemiology Biomarkers and Prevention, 2018, 27, 1142-1150.	1.1	5
104	History of Early Childhood Infections and Acute Lymphoblastic Leukemia Risk Among Children in a US Integrated Health-Care System. American Journal of Epidemiology, 2020, 189, 1076-1085.	1.6	5
105	Germline variants in predisposition genes in children with Down syndrome and acute lymphoblastic leukemia. Blood Advances, 2020, 4, 672-675.	2.5	5
106	Cytokine Levels at Birth in Children Who Developed Acute Lymphoblastic Leukemia. Cancer Epidemiology Biomarkers and Prevention, 2021, 30, 1526-1535.	1.1	5
107	Clinical characteristics of cytomegalovirus‐positive pediatric acute lymphoblastic leukemia at diagnosis. American Journal of Hematology, 2022, 97, .	2.0	5
108	Somatic Mutation Allelic Ratio Test Using ddPCR (SMART-ddPCR): An Accurate Method for Assessment of Preferential Allelic Imbalance in Tumor DNA. PLoS ONE, 2015, 10, e0143343.	1.1	4

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109	Herpesvirus Infection in Infants with Gastroschisis. Epidemiology, 2018, 29, 571-573.	1.2	4
110	Two HLA Class II Gene Variants Are Independently Associated with Pediatric Osteosarcoma Risk. Cancer Epidemiology Biomarkers and Prevention, 2018, 27, 1151-1158.	1.1	4
111	Pleiotropic <i>MLLT10</i> variation confers risk of meningioma and estrogen-mediated cancers. Neuro-Oncology Advances, 2022, 4, .	0.4	4
112	Tobacco Smoke and Ras Mutations Among Latino and Non-Latino Children with Acute Lymphoblastic Leukemia. Archives of Medical Research, 2016, 47, 677-683.	1.5	3
113	Birth Characteristics and Risk of Early-Onset Synovial Sarcoma. Cancer Epidemiology Biomarkers and Prevention, 2020, 29, 1162-1167.	1.1	3
114	Mode of Delivery, Birth Characteristics, and Early-Onset Non-Hodgkin Lymphoma in a Population-Based Caseâ€"Control Study. Cancer Epidemiology Biomarkers and Prevention, 2021, 30, 2286-2293.	1.1	3
115	What causes leukemia?. Pediatric Blood and Cancer, 2015, 62, 1123-1124.	0.8	2
116	Immune factors preceding diagnosis of glioma: a Prostate Lung Colorectal Ovarian Cancer Screening Trial nested caseâ€"control study. Neuro-Oncology Advances, 2019, 1, vdz031.	0.4	2
117	The Genome-Wide Impact of Trisomy 21 on DNA Methylation and Its Implications for Hematologic Malignancies. Blood, 2019, 134, 2510-2510.	0.6	2
118	Abstract A105: Trends in acute lymphocytic leukemia (ALL) incidence in the US from 2000-2016. , 2020, , .		2
119	Stressful exit from the womb and risk of childhood leukaemia. Lancet Haematology,the, 2016, 3, e155-e156.	2.2	1
120	The Effect of Cytomegalovirus on Pediatric Acute Lymphoblastic Leukemia. Blood, 2021, 138, 2281-2281.	0.6	1
121	Mitochondrial 1555 G&gt;A variant as a potential risk factor for childhood glioblastoma. Neuro-Oncology Advances, 2022, 4, vdac045.	0.4	1
122	GENE-55. CONSTITUTIONAL MUTATIONS IN TERT AND MENINGIOMA RISK. Neuro-Oncology, 2017, 19, vi104-vi105.	0.6	0
123	PDTM-01. GERMLINE GENETIC PREDISPOSITION TO PEDIATRIC GLIOMA. Neuro-Oncology, 2018, 20, vi203-vi203.	0.6	0
124	EPID-12. USING GERMLINE VARIANTS TO PREDICT GLIOMA RISK AND IDENTIFY GLIOMA SUBTYPE PRE-OPERATIVELY. Neuro-Oncology, 2018, 20, vi82-vi82.	0.6	0
125	IMMU-07. IMMUNE PROFILES IN THE SAN FRANCISCO ADULT GLIOMA STUDY (AGS) USING IMMUNOMETHYLOMICS. Neuro-Oncology, 2018, 20, vi122-vi122.	0.6	0
126	HGG-11. GERMLINE GENETIC PREDISPOSITION TO PEDIATRIC GLIOMA. Neuro-Oncology, 2019, 21, ii89-ii89.	0.6	0

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127	Low CtBP2 expression is associated with a stem cell-like signature and adverse clinical outcome in childhood B-cell lymphoblastic leukemia. Leukemia, 2021, 35, 2684-2687.	3.3	0
128	Outdoor artificial light at night, air pollution, and childhood acute lymphoblastic leukemia. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
129	Somatic and Germline Mutational Heterogeneity in High Hyperdiploid Acute Lymphoblastic Leukemia. Blood, 2016, 128, 1727-1727.	0.6	0
130	Pediatric Acute Promyelocytic Leukemia in Brazil: Epidemiology, Molecular Features, and Importance of GST-Theta 1 in Chemotherapy Response and Outcome. Blood, 2019, 134, 5187-5187.	0.6	0
131	Pediatric Acute Promyelocytic Leukemia: Epidemiology, Molecular Features, and Importance of GST-Theta 1 in Chemotherapy Response and Outcome. Frontiers in Oncology, 2021, 11, 642744.	1.3	0
132	Genetic Determinants of Blood Cell Traits Play a Role in Susceptibility to Acute Lymphoblastic Leukemia. Blood, 2020, 136, 10-11.	0.6	0
133	Investigating DNA methylation as a mediator of genetic risk in childhood acute lymphoblastic leukemia. Human Molecular Genetics, 2022, 31, 3741-3756.	1.4	0
134	Hispanic Ethnicity Differences in Birth Characteristics, Maternal Birth Place, and Risk of Early-Onset Hodgkin Lymphoma: A Population-Based Case-Control Study. Cancer Epidemiology Biomarkers and Prevention, 0, , .	1.1	0