

Jaclyn A Biegel

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

9,690
citations

136950

32
h-index

82547

72
g-index

83
all docs

83
docs citations

83
times ranked

18507
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutational heterogeneity in cancer and the search for new cancer-associated genes. <i>Nature</i> , 2013, 499, 214-218.	27.8	4,761
2	Rearrangement of the PAX3 paired box gene in the paediatric solid tumour alveolar rhabdomyosarcoma. <i>Nature Genetics</i> , 1993, 3, 113-117.	21.4	540
3	A remarkably simple genome underlies highly malignant pediatric rhabdoid cancers. <i>Journal of Clinical Investigation</i> , 2012, 122, 2983-2988.	8.2	347
4	Spectrum of SMARCB1/INI1 mutations in familial and sporadic rhabdoid tumors. <i>Pediatric Blood and Cancer</i> , 2011, 56, 7-15.	1.5	318
5	Alterations of the hSNF5/INI1 gene in central nervous system atypical teratoid/rhabdoid tumors and renal and extrarenal rhabdoid tumors. <i>Clinical Cancer Research</i> , 2002, 8, 3461-7.	7.0	277
6	Duplication of 7q34 in Pediatric Low-Grade Astrocytomas Detected by High-Density Single-Nucleotide Polymorphism-Based Genotype Arrays Results in a Novel BRAF Fusion Gene. <i>Brain Pathology</i> , 2009, 19, 449-458.	4.1	227
7	Central nervous system atypical teratoid/rhabdoid tumors of infancy and childhood. <i>Journal of Neuro-Oncology</i> , 1995, 24, 21-28.	2.9	201
8	Atypical teratoid/rhabdoid tumors—current concepts, advances in biology, and potential future therapies. <i>Neuro-Oncology</i> , 2016, 18, 764-778.	1.2	185
9	Analysis of PTCH/SMO/SHH pathway genes in medulloblastoma. , 2000, 27, 44-51.		169
10	SWI/SNF chromatin remodeling complexes and cancer. <i>American Journal of Medical Genetics, Part C: Seminars in Medical Genetics</i> , 2014, 166, 350-366.	1.6	155
11	Increased viral variants in children and young adults with impaired humoral immunity and persistent SARS-CoV-2 infection: A consecutive case series. <i>EBioMedicine</i> , 2021, 67, 103355.	6.1	128
12	The genomic landscape of pediatric cancers: Implications for diagnosis and treatment. <i>Science</i> , 2019, 363, 1170-1175.	12.6	127
13	Emergence of clonal hematopoiesis in the majority of patients with acquired aplastic anemia. <i>Cancer Genetics</i> , 2015, 208, 115-128.	0.4	102
14	Efficacy of High-Dose Chemotherapy and Three-Dimensional Conformal Radiation for Atypical Teratoid/Rhabdoid Tumor: A Report From the Children's Oncology Group Trial ACNS0333. <i>Journal of Clinical Oncology</i> , 2020, 38, 1175-1185.	1.6	102
15	Narrowing the critical region for a rhabdoid tumor locus in 22q11. , 1996, 16, 94-105.		101
16	Primitive Neuroectodermal Tumors of the Central Nervous System. <i>Brain Pathology</i> , 1997, 7, 765-784.	4.1	97
17	Germline INI1 mutation in a patient with a central nervous system atypical teratoid tumor and renal rhabdoid tumor. , 2000, 28, 31-37.		97
18	Biology and Treatment of Rhabdoid Tumor. <i>Critical Reviews in Oncogenesis</i> , 2015, 20, 199-216.	0.4	89

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19	Chromosomal Translocation t(1;13)(p36;q14) in a Case of Rhabdomyosarcoma. <i>Genes Chromosomes and Cancer</i> , 1991, 3, 483-484.	2.8	85
20	Somatic HLA mutations expose the role of class II-mediated autoimmunity in aplastic anemia and its clonal complications. <i>Blood Advances</i> , 2017, 1, 1900-1910.	5.2	69
21	Molecular cytogenetic studies of pediatric ependymomas. <i>Journal of Neuro-Oncology</i> , 1998, 37, 25-33.	2.9	67
22	Disrupting LIN28 in atypical teratoid rhabdoid tumors reveals the importance of the mitogen activated protein kinase pathway as a therapeutic target. <i>Oncotarget</i> , 2015, 6, 3165-3177.	1.8	66
23	p53 gene mutations in pediatric brain tumors. <i>Medical and Pediatric Oncology</i> , 1995, 25, 431-436.	1.0	65
24	Isochromosome 17q demonstrated by interphase fluorescence in situ hybridization in primitive neuroectodermal tumors of the central nervous system. <i>Genes Chromosomes and Cancer</i> , 1995, 14, 85-96.	2.8	58
25	OncoKids. <i>Journal of Molecular Diagnostics</i> , 2018, 20, 765-776.	2.8	58
26	Expanding the spectrum of dicer1-associated sarcomas. <i>Modern Pathology</i> , 2020, 33, 164-174.	5.5	57
27	Exon scanning for mutations of the <i>hnf2</i> gene in pediatric ependymomas, rhabdoid tumors and meningiomas. <i>International Journal of Cancer</i> , 1995, 64, 243-247.	5.1	54
28	Chromosome Band 7q34 Deletions Resulting in <i>KIAA1549</i> and <i>BRAF</i> and <i>FAM131B</i> and <i>BRAF</i> Fusions in Pediatric Low-Grade Gliomas. <i>Brain Pathology</i> , 2015, 25, 182-192.	4.1	44
29	Emerging variants of concern in SARS-CoV-2 membrane protein: a highly conserved target with potential pathological and therapeutic implications. <i>Emerging Microbes and Infections</i> , 2021, 10, 885-893.	6.5	44
30	Molecular analyses reveal close similarities between small cell carcinoma of the ovary, hypercalcemic type and atypical teratoid/rhabdoid tumor. <i>Oncotarget</i> , 2016, 7, 1732-1740.	1.8	42
31	A semiautomated whole-exome sequencing workflow leads to increased diagnostic yield and identification of novel candidate variants. <i>Journal of Physical Education and Sports Management</i> , 2019, 5, a003756.	1.2	41
32	Diagnostic application of high resolution single nucleotide polymorphism array analysis for children with brain tumors. <i>Cancer Genetics</i> , 2014, 207, 111-123.	0.4	40
33	Technical laboratory standards for interpretation and reporting of acquired copy-number abnormalities and copy-neutral loss of heterozygosity in neoplastic disorders: a joint consensus recommendation from the American College of Medical Genetics and Genomics (ACMG) and the Cancer Genomics Consortium (CGC). <i>Genetics in Medicine</i> , 2019, 21, 1903-1916.	2.4	39
34	Clonal evolution and clinical significance of copy number neutral loss of heterozygosity of chromosome arm 6p in acquired aplastic anemia. <i>Cancer Genetics</i> , 2016, 209, 1-10.	0.4	37
35	Report of a patient with a constitutional missense mutation in <i>SMARCB1</i> , Coffin-Siris phenotype, and schwannomatosis. <i>American Journal of Medical Genetics, Part A</i> , 2015, 167, 3186-3191.	1.2	35
36	Rhabdoid tumor of the central nervous system. <i>Medical and Pediatric Oncology</i> , 1991, 19, 310-317.	1.0	33

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37	Landscape of Germline and Somatic Mitochondrial DNA Mutations in Pediatric Malignancies. <i>Cancer Research</i> , 2019, 79, 1318-1330.	0.9	32
38	Enhanced MYCN expression and Isochromosome 17q in pineoblastoma cell lines. <i>Genes Chromosomes and Cancer</i> , 1994, 9, 129-135.	2.8	30
39	Integration of cytogenomic data for furthering the characterization of pediatric B-cell acute lymphoblastic leukemia: a multi-institution, multi-platform microarray study. <i>Cancer Genetics</i> , 2015, 208, 1-18.	0.4	30
40	Establishing the Clinical Utility of ctDNA Analysis for Diagnosis, Prognosis, and Treatment Monitoring of Retinoblastoma: The Aqueous Humor Liquid Biopsy. <i>Cancers</i> , 2021, 13, 1282.	3.7	30
41	Implementation of high resolution single nucleotide polymorphism array analysis as a clinical test for patients with hematologic malignancies. <i>Cancer Genetics</i> , 2011, 204, 26-38.	0.4	29
42	Inherited germline <i>ATRAX</i> mutation in two brothers with <i>ATRAX</i> syndrome and osteosarcoma. <i>American Journal of Medical Genetics, Part A</i> , 2017, 173, 1390-1395.	1.2	27
43	Molecular characterization and chromosomal localization of DRT (EPHT3): a developmentally regulated human protein-tyrosine kinase gene of the EPH family. <i>Human Molecular Genetics</i> , 1995, 4, 2033-2045.	2.9	26
44	High Prevalence of SARS-CoV-2 Genetic Variation and D614G Mutation in Pediatric Patients With COVID-19. <i>Open Forum Infectious Diseases</i> , 2021, 8, ofaa551.	0.9	26
45	Germline genetic landscape of pediatric central nervous system tumors. <i>Neuro-Oncology</i> , 2019, 21, 1376-1388.	1.2	24
46	Whole Chromosome 7 Gain Predicts Higher Risk of Recurrence in Pediatric Pilocytic Astrocytomas Independently From KIAA1549-BRAF Fusion Status. <i>Journal of Neuropathology and Experimental Neurology</i> , 2016, 75, 306-315.	1.7	22
47	Acquired isochromosome 12p, somatic TP53 and PTEN mutations, and a germline ATM variant in an adolescent male with concurrent acute megakaryoblastic leukemia and mediastinal germ cell tumor. <i>Cancer Genetics</i> , 2014, 207, 153-159.	0.4	21
48	Clinical utilization of high-resolution single nucleotide polymorphism based oligonucleotide arrays in diagnostic studies of pediatric patients with solid tumors. <i>Cancer Genetics</i> , 2012, 205, 42-54.	0.4	18
49	Case-based review: atypical teratoid/rhabdoid tumor. <i>Neuro-Oncology Practice</i> , 2019, 6, 163-178.	1.6	18
50	Rapidly emerging SARS-CoV-2 B.1.1.7 sub-lineage in the United States of America with spike protein D178H and membrane protein V70L mutations. <i>Emerging Microbes and Infections</i> , 2021, 10, 1293-1299.	6.5	18
51	46, XX, 15p+ documented as dup (17p) by fluorescence in situ hybridization. <i>American Journal of Medical Genetics Part A</i> , 1993, 46, 95-97.	2.4	17
52	Molecular analysis of pediatric brain tumors. <i>Current Oncology Reports</i> , 2004, 6, 445-452.	4.0	17
53	Copy number alterations determined by single nucleotide polymorphism array testing in the clinical laboratory are indicative of gene fusions in pediatric cancer patients. <i>Genes Chromosomes and Cancer</i> , 2017, 56, 730-749.	2.8	17
54	Comprehensive Genome Analysis of 6,000 USA SARS-CoV-2 Isolates Reveals Haplotype Signatures and Localized Transmission Patterns by State and by Country. <i>Frontiers in Microbiology</i> , 2020, 11, 573430.	3.5	17

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55	A multicenter, cross-platform clinical validation study of cancer cytogenomic arrays. <i>Cancer Genetics</i> , 2015, 208, 525-536.	0.4	12
56	Mutation analysis and loss of heterozygosity of PEDF in central nervous system primitive neuroectodermal tumors. , 1997, 72, 277-282.		10
57	Monoclonal Antibody-Dependent, Cell-Mediated Cytotoxicity against Human Malignant Gliomas. <i>Neurosurgery</i> , 1990, 27, 97-102.	1.1	9
58	Three synchronous malignancies in a patient with DICER1 syndrome. <i>European Journal of Cancer</i> , 2018, 93, 140-143.	2.8	9
59	Transmission of a TP53 germline mutation from unaffected male carrier associated with pediatric glioblastoma in his child and gestational choriocarcinoma in his female partner. <i>Journal of Physical Education and Sports Management</i> , 2018, 4, a002576.	1.2	8
60	Tumor Variant Identification That Accounts for the Unique Molecular Landscape of Pediatric Malignancies. <i>JNCI Cancer Spectrum</i> , 2018, 2, pky079.	2.9	8
61	Embryonal rhabdomyosarcoma in a patient with a germline CBL pathogenic variant. <i>Cancer Genetics</i> , 2019, 231-232, 62-66.	0.4	8
62	Inter-eye genomic heterogeneity in bilateral retinoblastoma via aqueous humor liquid biopsy. <i>Npj Precision Oncology</i> , 2021, 5, 73.	5.4	8
63	Pediatric Atypical Teratoid/Rhabdoid Tumors of the Brain: Identification of Metabolic Subgroups Using In Vivo ¹ H-MR Spectroscopy. <i>American Journal of Neuroradiology</i> , 2019, 40, 872-877.	2.4	6
64	A multimodal genomics approach to diagnostic evaluation of pediatric hematologic malignancies. <i>Cancer Genetics</i> , 2021, 254-255, 25-33.	0.4	6
65	Unique Familial <i>MLL(KMT2A)</i> Rearranged Precursor B-Cell Infant Acute Lymphoblastic Leukemia in Non-twin Siblings. <i>Pediatric Blood and Cancer</i> , 2016, 63, 1175-1180.	1.5	5
66	Concurrent myeloid sarcoma, atypical teratoid/rhabdoid tumor, and hypereosinophilia in an infant with a germline <i>SMARCB1</i> mutation. <i>Pediatric Blood and Cancer</i> , 2017, 64, e26460.	1.5	5
67	Detection of mitochondrial DNA variants at low level heteroplasmy in pediatric CNS and extra-CNS solid tumors with three different enrichment methods. <i>Mitochondrion</i> , 2020, 51, 97-103.	3.4	5
68	Mixed Phenotype Acute Leukemia with Low Hypodiploidy in a Pediatric Patient. <i>Journal of Pediatric Oncology</i> , 2015, 3, 24-28.	0.1	4
69	Novel <i>TRIM24</i> - <i>MET</i> Fusion in a Neonatal Brain Tumor. <i>JCO Precision Oncology</i> , 2019, 3, 1-6.	3.0	3
70	The spectrum of mitochondrial DNA (mtDNA) mutations in pediatric central nervous system (CNS) tumors. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab074.	0.7	3
71	Clinical utility of comprehensive genomic profiling in central nervous system tumors of children and young adults. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab037.	0.7	3
72	Characterization of <i>PAX5</i> Intragenic Tandem Multiplication in Pediatric B-Lymphoblastic Leukemia by Optical Genome Mapping. <i>Blood Advances</i> , 2022, , .	5.2	3

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73	Rare Pediatric Invasive Gliofibroma Has BRAFV600E Mutation and Transiently Responds to Targeted Therapy Before Progressive Clonal Evolution. <i>JCO Precision Oncology</i> , 2019, 3, 1-10.	3.0	2
74	Pediatric Metastatic Hepatoblastoma With an <i>ARID1A</i> Mutation and Rhabdoid Cells. <i>International Journal of Surgical Pathology</i> , 2022, 30, 307-312.	0.8	2
75	Custom Pediatric Oncology Next-Generation Sequencing Panel Identifies Somatic Mosaicism in Archival Tissue and Enhances Targeted Clinical Care. <i>Pediatric Neurology</i> , 2021, 114, 55-59.	2.1	1
76	AT-02MR SPECTROSCOPY AND METABOLIC SUBTYPES OF ATYPICAL TERATOID RHABDOID TUMORS IN CHILDREN. <i>Neuro-Oncology</i> , 2016, 18, iii1.1-iii1.	1.2	0
77	Primary Adrenal Malignant Rhabdoid Tumor in a 14-Year-Old Female: A Case Report and Literature Review. <i>International Journal of Surgical Pathology</i> , 2022, 30, 172-176.	0.8	0
78	Abstract 2247: Genomic heterogeneity in the aqueous humor cell-free DNA in a patient with bilateral retinoblastoma. , 2021, , .		0
79	Meeting the high expectations for liquid biopsy assays for pediatric brain tumors: progress and challenges. <i>Neuro-Oncology</i> , 2022, , .	1.2	0
80	ATRT-04. Clinical and (epi)genetic characterisation of patients with atypical teratoid/rhabdoid tumor (ATRT) and extracranial malignant rhabdoid tumor conceived following assisted reproduction technologies (ART). <i>Neuro-Oncology</i> , 2022, 24, i2-i2.	1.2	0
81	Abstract 1967: Potential of aqueous humor as a liquid biopsy for uveal melanoma. <i>Cancer Research</i> , 2022, 82, 1967-1967.	0.9	0