Jaclyn A Biegel

List of Publications by Year
in descending order

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81	9,690	136950	82547
papers	citations	32 h-index	72 g-index

83	83	83	18507
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Primary Adrenal Malignant Rhabdoid Tumor in a 14-Year-Old Female: A Case Report and Literature Review. International Journal of Surgical Pathology, 2022, 30, 172-176.	0.8	0
2	Pediatric Metastatic Hepatoblastoma With an ARID1A Mutation and Rhabdoid Cells. International Journal of Surgical Pathology, 2022, 30, 307-312.	0.8	2
3	Characterization of PAX5 Intragenic Tandem Multiplication in Pediatric B-Lymphoblastic Leukemia by Optical Genome Mapping. Blood Advances, 2022, , .	5.2	3
4	Meeting the high expectations for liquid biopsy assays for pediatric brain tumors: progress and challenges. Neuro-Oncology, 2022, , .	1.2	0
5	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). Neuro-Oncology, 2022, 24, i2-i2.	1.2	0
6	Abstract 1967: Potential of aqueous humor as a liquid biopsy for uveal melanoma. Cancer Research, 2022, 82, 1967-1967.	0.9	0
7	High Prevalence of SARS-CoV-2 Genetic Variation and D614G Mutation in Pediatric Patients With COVID-19. Open Forum Infectious Diseases, 2021, 8, ofaa551.	0.9	26
8	Custom Pediatric Oncology Next-Generation Sequencing Panel Identifies Somatic Mosaicism in Archival Tissue and Enhances Targeted Clinical Care. Pediatric Neurology, 2021, 114, 55-59.	2.1	1
9	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. Emerging Microbes and Infections, 2021, 10, 1293-1299.	6.5	18
10	Establishing the Clinical Utility of ctDNA Analysis for Diagnosis, Prognosis, and Treatment Monitoring of Retinoblastoma: The Aqueous Humor Liquid Biopsy. Cancers, 2021, 13, 1282.	3.7	30
11	Emerging variants of concern in SARS-CoV-2 membrane protein: a highly conserved target with potential pathological and therapeutic implications. Emerging Microbes and Infections, 2021, 10, 885-893.	6.5	44
12	Increased viral variants in children and young adults with impaired humoral immunity and persistent SARS-CoV-2 infection: A consecutive case series. EBioMedicine, 2021, 67, 103355.	6.1	128
13	A multimodal genomics approach to diagnostic evaluation of pediatric hematologic malignancies. Cancer Genetics, 2021, 254-255, 25-33.	0.4	6
14	The spectrum of mitochondrial DNA (mtDNA) mutations in pediatric central nervous system (CNS) tumors. Neuro-Oncology Advances, 2021, 3, vdab074.	0.7	3
15	Inter-eye genomic heterogeneity in bilateral retinoblastoma via aqueous humor liquid biopsy. Npj Precision Oncology, 2021, 5, 73.	5.4	8
16	Abstract 2247: Genomic heterogeneity in the aqueous humor cell-free DNA in a patient with bilateral retinoblastoma. , 2021, , .		0
17	Clinical utility of comprehensive genomic profiling in central nervous system tumors of children and young adults. Neuro-Oncology Advances, 2021, 3, vdab037.	0.7	3
18	Expanding the spectrum of dicer1-associated sarcomas. Modern Pathology, 2020, 33, 164-174.	5.5	57

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19	Comprehensive Genome Analysis of 6,000 USA SARS-CoV-2 Isolates Reveals Haplotype Signatures and Localized Transmission Patterns by State and by Country. Frontiers in Microbiology, 2020, 11, 573430.	3.5	17
20	Efficacy of High-Dose Chemotherapy and Three-Dimensional Conformal Radiation for Atypical Teratoid/Rhabdoid Tumor: A Report From the Childrenâ€™s Oncology Group Trial ACNS0333. Journal of Clinical Oncology, 2020, 38, 1175-1185.	1.6	102
21	Detection of mitochondrial DNA variants at low level heteroplasmy in pediatric CNS and extra-CNS solid tumors with three different enrichment methods. Mitochondrion, 2020, 51, 97-103.	3.4	5
22	Germline genetic landscape of pediatric central nervous system tumors. Neuro-Oncology, 2019, 21, 1376-1388.	1.2	24
23	Landscape of Germline and Somatic Mitochondrial DNA Mutations in Pediatric Malignancies. Cancer Research, 2019, 79, 1318-1330.	0.9	32
24	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). Genetics in Medicine, 2019, 21, 1903-1916.	2.4	39
25	The genomic landscape of pediatric cancers: Implications for diagnosis and treatment. Science, 2019, 363, 1170-1175.	12.6	127
26	Pediatric Atypical Teratoid/Rhabdoid Tumors of the Brain: Identification of Metabolic Subgroups Using In Vivo ¹H-MR Spectroscopy. American Journal of Neuroradiology, 2019, 40, 872-877.	2.4	6
27	A semiautomated whole-exome sequencing workflow leads to increased diagnostic yield and identification of novel candidate variants. Journal of Physical Education and Sports Management, 2019, 5, a003756.	1.2	41
28	Rare Pediatric Invasive Gliofibroma Has BRAFV600E Mutation and Transiently Responds to Targeted Therapy Before Progressive Clonal Evolution. JCO Precision Oncology, 2019, 3, 1-10.	3.0	2
29	Novel TRIM24-MET Fusion in a Neonatal Brain Tumor. JCO Precision Oncology, 2019, 3, 1-6.	3.0	3
30	Embryonal rhabdomyosarcoma in a patient with a germline CBL pathogenic variant. Cancer Genetics, 2019, 231-232, 62-66.	0.4	8
31	Case-based review: atypical teratoid/rhabdoid tumor. Neuro-Oncology Practice, 2019, 6, 163-178.	1.6	18
32	Three synchronous malignancies in a patient with DICER1 syndrome. European Journal of Cancer, 2018, 93, 140-143.	2.8	9
33	Transmission of a TP53 germline mutation from unaffected male carrier associated with pediatric glioblastoma in his child and gestational choriocarcinoma in his female partner. Journal of Physical Education and Sports Management, 2018, 4, a002576.	1.2	8
34	Tumor Variant Identification That Accounts for the Unique Molecular Landscape of Pediatric Malignancies. JNCI Cancer Spectrum, 2018, 2, pky079.	2.9	8
35	OncoKids. Journal of Molecular Diagnostics, 2018, 20, 765-776.	2.8	58
36	Concurrent myeloid sarcoma, atypical teratoid/rhabdoid tumor, and hypereosinophilia in an infant with a germline SMARCB1 mutation. Pediatric Blood and Cancer, 2017, 64, e26460.	1.5	5

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37	Copy number alterations determined by single nucleotide polymorphism array testing in the clinical laboratory are indicative of gene fusions in pediatric cancer patients. Genes Chromosomes and Cancer, 2017, 56, 730-749.	2.8	17
38	Inherited germline ATRX mutation in two brothers with ATRâ€X syndrome and osteosarcoma. American Journal of Medical Genetics, Part A, 2017, 173, 1390-1395.	1.2	27
39	Somatic HLA mutations expose the role of class Iâ€“mediated autoimmunity in aplastic anemia and its clonal complications. Blood Advances, 2017, 1, 1900-1910.	5.2	69
40	AT-02MR SPECTROSCOPY AND METABOLIC SUBTYPES OF ATYPICAL TERATOID RHABDOID TUMORS IN CHILDREN. Neuro-Oncology, 2016, 18, iii1.1-iii1.	1.2	0
41	Unique Familial MLL(KMT2A)â€Rearranged Precursor Bâ€Cell Infant Acute Lymphoblastic Leukemia in Nonâ€twin Siblings. Pediatric Blood and Cancer, 2016, 63, 1175-1180.	1.5	5
42	Atypical teratoid/rhabdoid tumorsâ€”current concepts, advances in biology, and potential future therapies. Neuro-Oncology, 2016, 18, 764-778.	1.2	185
43	Clonal evolution and clinical significance of copy number neutral loss of heterozygosity of chromosome arm 6p in acquired aplastic anemia. Cancer Genetics, 2016, 209, 1-10.	0.4	37
44	Whole Chromosome 7 Gain Predicts Higher Risk of Recurrence in Pediatric Pilocytic Astrocytomas Independently From KIAA1549-BRAF Fusion Status. Journal of Neuropathology and Experimental Neurology, 2016, 75, 306-315.	1.7	22
45	Molecular analyses reveal close similarities between small cell carcinoma of the ovary, hypercalcemic type and atypical teratoid/rhabdoid tumor. Oncotarget, 2016, 7, 1732-1740.	1.8	42
46	Report of a patient with a constitutional missense mutation in SMARCB1, Coffinâ€“Siris phenotype, and schwannomatosis. American Journal of Medical Genetics, Part A, 2015, 167, 3186-3191.	1.2	35
47	Chromosome Band 7<scp>q</scp>34 Deletions Resulting in <scp>KIAA</scp>1549â€<scp>BRAF</scp> and <scp>FAM</scp>131<scp>B</scp>â€<scp>BRAF</scp> Fusions in Pediatric Lowâ€Grade Gliomas. Brain Pathology, 2015, 25, 182-192.	4.1	44
48	Emergence of clonal hematopoiesis in the majority of patients with acquired aplastic anemia. Cancer Genetics, 2015, 208, 115-128.	0.4	102
49	A multicenter, cross-platform clinical validation study of cancer cytogenomic arrays. Cancer Genetics, 2015, 208, 525-536.	0.4	12
50	Integration of cytogenomic data for furthering the characterization of pediatric B-cell acute lymphoblastic leukemia: a multi-institution, multi-platform microarray study. Cancer Genetics, 2015, 208, 1-18.	0.4	30
51	Mixed Phenotype Acute Leukemia with Low Hypodiploidy in a Pediatric Patient. Journal of Pediatric Oncology, 2015, 3, 24-28.	0.1	4
52	Biology and Treatment of Rhabdoid Tumor. Critical Reviews in Oncogenesis, 2015, 20, 199-216.	0.4	89
53	Disrupting LIN28 in atypical teratoid rhabdoid tumors reveals the importance of the mitogen activated protein kinase pathway as a therapeutic target. Oncotarget, 2015, 6, 3165-3177.	1.8	66
54	SWI/SNF chromatin remodeling complexes and cancer. American Journal of Medical Genetics, Part C: Seminars in Medical Genetics, 2014, 166, 350-366.	1.6	155

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55	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. Cancer Genetics, 2014, 207, 153-159.	0.4	21
56	Diagnostic application of high resolution single nucleotide polymorphism array analysis for children with brain tumors. Cancer Genetics, 2014, 207, 111-123.	0.4	40
57	Mutational heterogeneity in cancer and the search for new cancer-associated genes. Nature, 2013, 499, 214-218.	27.8	4,761
58	Clinical utilization of high-resolution single nucleotide polymorphism based oligonucleotide arrays in diagnostic studies of pediatric patients with solid tumors. Cancer Genetics, 2012, 205, 42-54.	0.4	18
59	A remarkably simple genome underlies highly malignant pediatric rhabdoid cancers. Journal of Clinical Investigation, 2012, 122, 2983-2988.	8.2	347
60	Implementation of high resolution single nucleotide polymorphism array analysis asÂaÂclinical test for patients with hematologic malignancies. Cancer Genetics, 2011, 204, 26-38.	0.4	29
61	Spectrum of SMARCB1/INI1 mutations in familial and sporadic rhabdoid tumors. Pediatric Blood and Cancer, 2011, 56, 7-15.	1.5	318
62	Duplication of 7q34 in Pediatric Lowâ€Grade Astrocytomas Detected by Highâ€Density Singleâ€Nucleotide Polymorphismâ€Based Genotype Arrays Results in a Novel BRAF Fusion Gene. Brain Pathology, 2009, 19, 449-458.	4.1	227
63	Molecular analysis of pediatric brain tumors. Current Oncology Reports, 2004, 6, 445-452.	4.0	17
64	Alterations of the hSNF5/INI1 gene in central nervous system atypical teratoid/rhabdoid tumors and renal and extrarenal rhabdoid tumors. Clinical Cancer Research, 2002, 8, 3461-7.	7.0	277
65	Analysis ofPTCH/SMO/SHH pathway genes in medulloblastoma. , 2000, 27, 44-51.		169
66	GermlineINI1 mutation in a patient with a central nervous system atypical teratoid tumor and renal rhabdoid tumor. , 2000, 28, 31-37.		97
67	Molecular cytogenetic studies of pediatric ependymomas. Journal of Neuro-Oncology, 1998, 37, 25-33.	2.9	67
68	Primitive Neuroectodermal Tumors of the Central Nervous System. Brain Pathology, 1997, 7, 765-784.	4.1	97
69	Mutation analysis and loss of heterozygosity of PEDF in central nervous system primitive neuroectodermal tumors. , 1997, 72, 277-282.		10
70	Narrowing the critical region for a rhabdoid tumor locus in 22q11. , 1996, 16, 94-105.		101
71	p53 gene mutations in pediatric brain tumors. Medical and Pediatric Oncology, 1995, 25, 431-436.	1.0	65
72	Exon scanning for mutations of thenf2 gene in pediatric ependymomas, rhabdoid tumors and meningiomas. International Journal of Cancer, 1995, 64, 243-247.	5.1	54

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73	Isochromosome 17q demonstrated by interphase fluorescence in situ hybridization in primitive neuroectodermal tumors of the central nervous system. Genes Chromosomes and Cancer, 1995, 14, 85-96.	2.8	58
74	Central nervous system atypical teratoid/rhabdoid tumors of infancy and childhood. Journal of Neuro-Oncology, 1995, 24, 21-28.	2.9	201
75	Molecular characterization and chromosomal localization of DRT (EPHT3): a developmentally regulated human protein–tyrosine kinase gene of the EPH family. Human Molecular Genetics, 1995, 4, 2033-2045.	2.9	26
76	Enhanced MYCN expression and Isochromosome 17q in pineoblastoma cell lines. Genes Chromosomes and Cancer, 1994, 9, 129-135.	2.8	30
77	46, XX, 15p+ documented as dup (17p) by fluorescence in situ hybridization. American Journal of Medical Genetics Part A, 1993, 46, 95-97.	2.4	17
78	Rearrangement of the PAX3 paired box gene in the paediatric solid tumour alveolar rhabdomyosarcoma. Nature Genetics, 1993, 3, 113-117.	21.4	540
79	Chromosomal Translocation t(1;13)(p36;q14) in a Case of Rhabdomyosarcoma. Genes Chromosomes and Cancer, 1991, 3, 483-484.	2.8	85
80	Rhabdoid tumor of the central nervous system. Medical and Pediatric Oncology, 1991, 19, 310-317.	1.0	33
81	Monoclonal Antibody-Dependent, Cell-Mediated Cytotoxicity against Human Malignant Gliomas. Neurosurgery, 1990, 27, 97-102.	1.1	9