

Suzanne Baker

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

7,963
citations

159585

30
h-index

128289

60
g-index

66
all docs

66
docs citations

66
times ranked

10488
citing authors

#	ARTICLE	IF	CITATIONS
1	Somatic LINE-1 promoter acquisition drives oncogenic FOXR2 activation in pediatric brain tumor. <i>Acta Neuropathologica</i> , 2022, 143, 605-607.	7.7	4
2	H3-K27M-mutant nucleosomes interact with MLL1 to shape the glioma epigenetic landscape. <i>Cell Reports</i> , 2022, 39, 110836.	6.4	16
3	Cell-surface antigen profiling of pediatric brain tumors: B7-H3 is consistently expressed and can be targeted via local or systemic CAR T-cell delivery. <i>Neuro-Oncology</i> , 2021, 23, 999-1011.	1.2	63
4	Exploration of Coding and Non-coding Variants in Cancer Using GenomePaint. <i>Cancer Cell</i> , 2021, 39, 83-95.e4.	16.8	18
5	NTRK Fusions Can Co-Occur With H3K27M Mutations and May Define Druggable Subclones Within Diffuse Midline Gliomas. <i>Journal of Neuropathology and Experimental Neurology</i> , 2021, 80, 345-353.	1.7	5
6	Model-based evaluation of image-guided fractionated whole-brain radiation therapy in pediatric diffuse intrinsic pontine glioma xenografts. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2021, 10, 599-610.	2.5	3
7	Abstract 2289: Empowering point-and-click genomic analysis with large pediatric genomic reference data on St. Jude Cloud. , 2021, , .		0
8	Patient-derived models recapitulate heterogeneity of molecular signatures and drug response in pediatric high-grade glioma. <i>Nature Communications</i> , 2021, 12, 4089.	12.8	27
9	Abstract 1543: Mining cancer-specific isoforms as CAR T-cell therapy targets for pediatric solid and brain tumors. , 2021, , .		1
10	Abstract 237: Inferring spatial organization of tumor microenvironment from single-cell RNA sequencing data using graph embedding. , 2021, , .		0
11	Comprehensive molecular characterization of pediatric radiation-induced high-grade glioma. <i>Nature Communications</i> , 2021, 12, 5531.	12.8	31
12	St. Jude Cloud: A Pediatric Cancer Genomic Data-Sharing Ecosystem. <i>Cancer Discovery</i> , 2021, 11, 1082-1099.	9.4	109
13	Epigenetically defined therapeutic targeting in H3.3G34R/V high-grade gliomas. <i>Science Translational Medicine</i> , 2021, 13, eabf7860.	12.4	18
14	Phase I study using crenolanib to target PDGFR kinase in children and young adults with newly diagnosed DIPG or recurrent high-grade glioma, including DIPG. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab179.	0.7	5
15	ChIPseqSpikelnFree: a ChIP-seq normalization approach to reveal global changes in histone modifications without spike-in. <i>Bioinformatics</i> , 2020, 36, 1270-1272.	4.1	25
16	Defining Optimal Target Volumes of Conformal Radiation Therapy for Diffuse Intrinsic Pontine Glioma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 106, 838-847.	0.8	7
17	Invited Review: Emerging functions of histone H3 mutations in paediatric diffuse high-grade gliomas. <i>Neuropathology and Applied Neurobiology</i> , 2020, 46, 73-85.	3.2	22
18	RACK7 recognizes H3.3G34R mutation to suppress expression of MHC class II complex components and their delivery pathway in pediatric glioblastoma. <i>Science Advances</i> , 2020, 6, eaba2113.	10.3	25

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19	A single-cell and single-nucleus RNA-Seq toolbox for fresh and frozen human tumors. <i>Nature Medicine</i> , 2020, 26, 792-802.	30.7	381
20	CICERO: a versatile method for detecting complex and diverse driver fusions using cancer RNA sequencing data. <i>Genome Biology</i> , 2020, 21, 126.	8.8	74
21	Patient-derived orthotopic xenografts of pediatric brain tumors: a St. Jude resource. <i>Acta Neuropathologica</i> , 2020, 140, 209-225.	7.7	45
22	Clinical, imaging, and molecular analysis of pediatric pontine tumors lacking characteristic imaging features of DIPG. <i>Acta Neuropathologica Communications</i> , 2020, 8, 57.	5.2	32
23	Infant High-Grade Gliomas Comprise Multiple Subgroups Characterized by Novel Targetable Gene Fusions and Favorable Outcomes. <i>Cancer Discovery</i> , 2020, 10, 942-963.	9.4	157
24	Deep multiomics profiling of brain tumors identifies signaling networks downstream of cancer driver genes. <i>Nature Communications</i> , 2019, 10, 3718.	12.8	42
25	p53: a tumor suppressor hiding in plain sight. <i>Journal of Molecular Cell Biology</i> , 2019, 11, 536-538.	3.3	11
26	CNS penetration of the CDK4/6 inhibitor ribociclib in non-tumor bearing mice and mice bearing pediatric brain tumors. <i>Cancer Chemotherapy and Pharmacology</i> , 2019, 84, 447-452.	2.3	19
27	H3.3 K27M depletion increases differentiation and extends latency of diffuse intrinsic pontine glioma growth in vivo. <i>Acta Neuropathologica</i> , 2019, 137, 637-655.	7.7	85
28	Histone H3.3 K27M Accelerates Spontaneous Brainstem Glioma and Drives Restricted Changes in Bivalent Gene Expression. <i>Cancer Cell</i> , 2019, 35, 140-155.e7.	16.8	194
29	Structure and evolution of double minutes in diagnosis and relapse brain tumors. <i>Acta Neuropathologica</i> , 2019, 137, 123-137.	7.7	63
30	Engineering Inducible Knock-In Mice to Model Oncogenic Brain Tumor Mutations from Endogenous Loci. <i>Methods in Molecular Biology</i> , 2019, 1869, 207-230.	0.9	4
31	Comprehensive molecular characterization of pediatric treatment-induced glioblastoma: Germline DNA repair defects as a potential etiology.. <i>Journal of Clinical Oncology</i> , 2018, 36, 10573-10573.	1.6	1
32	Pediatric high-grade glioma: biologically and clinically in need of new thinking. <i>Neuro-Oncology</i> , 2017, 19, now101.	1.2	217
33	Rapid and fulminant leptomeningeal spread following radiotherapy in diffuse intrinsic pontine glioma. <i>Pediatric Blood and Cancer</i> , 2017, 64, e26416.	1.5	11
34	Integrated Molecular Meta-Analysis of 1,000 Pediatric High-Grade and Diffuse Intrinsic Pontine Glioma. <i>Cancer Cell</i> , 2017, 32, 520-537.e5.	16.8	716
35	PTEN Signaling in the Postnatal Perivascular Progenitor Niche Drives Medulloblastoma Formation. <i>Cancer Research</i> , 2017, 77, 123-133.	0.9	20
36	Genetic alterations in uncommon low-grade neuroepithelial tumors: BRAF, FGFR1, and MYB mutations occur at high frequency and align with morphology. <i>Acta Neuropathologica</i> , 2016, 131, 833-845.	7.7	288

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37	<i>Arid1a</i> inactivation in an <i>Apc</i> - and <i>Pten</i> -defective mouse ovarian cancer model enhances epithelial differentiation and prolongs survival. <i>Journal of Pathology</i> , 2016, 238, 21-30.	4.5	45
38	Detecting PTEN and PI3K Signaling in Brain. <i>Methods in Molecular Biology</i> , 2016, 1388, 53-62.	0.9	3
39	Cell of Origin for Malignant Gliomas and Its Implication in Therapeutic Development. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015, 7, a020610.	5.5	163
40	CONSORTING: integrating copy-number analysis with structural-variation detection. <i>Nature Methods</i> , 2015, 12, 527-530.	19.0	68
41	Activated Mutant p110 α Causes Endometrial Carcinoma in the Setting of Biallelic <i>Pten</i> Deletion. <i>American Journal of Pathology</i> , 2015, 185, 1104-1113.	3.8	24
42	ISDN2014_0157: Modeling human PIK3CA-related congenital brain overgrowth and epilepsy in mice. <i>International Journal of Developmental Neuroscience</i> , 2015, 47, 46-46.	1.6	1
43	Mouse models of human PIK3CA-related brain overgrowth have acutely treatable epilepsy. <i>ELife</i> , 2015, 4, .	6.0	79
44	<i>Pax3</i> expression enhances PDGF-B-induced brainstem gliomagenesis and characterizes a subset of brainstem glioma. <i>Acta Neuropathologica Communications</i> , 2014, 2, 134.	5.2	27
45	A Unified Nomenclature and Amino Acid Numbering for Human PTEN. <i>Science Signaling</i> , 2014, 7, pe15.	3.6	50
46	The landscape of somatic mutations in epigenetic regulators across 1,000 paediatric cancer genomes. <i>Nature Communications</i> , 2014, 5, 3630.	12.8	342
47	The Genetic Signatures of Pediatric High-Grade Glioma: No Longer a One-Act Play. <i>Seminars in Radiation Oncology</i> , 2014, 24, 240-247.	2.2	43
48	Unique genetic and epigenetic mechanisms driving paediatric diffuse high-grade glioma. <i>Nature Reviews Cancer</i> , 2014, 14, 651-661.	28.4	241
49	The genomic landscape of diffuse intrinsic pontine glioma and pediatric non-brainstem high-grade glioma. <i>Nature Genetics</i> , 2014, 46, 444-450.	21.4	871
50	First-in-pediatrics phase I study of crenolanib besylate (CP-868,596-26) administered during and after radiation therapy (RT) in newly diagnosed diffuse intrinsic pontine glioma (DIPG) and recurrent high-grade glioma (HGG).. <i>Journal of Clinical Oncology</i> , 2014, 32, 10064-10064.	1.6	5
51	Novel Oncogenic <i>PDGFRA</i> Mutations in Pediatric High-Grade Gliomas. <i>Cancer Research</i> , 2013, 73, 6219-6229.	0.9	189
52	Somatic histone H3 alterations in pediatric diffuse intrinsic pontine gliomas and non-brainstem glioblastomas. <i>Nature Genetics</i> , 2012, 44, 251-253.	21.4	1,402
53	Targeted Therapy for <i>BRAFV600E</i> Malignant Astrocytoma. <i>Clinical Cancer Research</i> , 2011, 17, 7595-7604.	7.0	143
54	Nonredundant Functions for Akt Isoforms in Astrocyte Growth and Gliomagenesis in an Orthotopic Transplantation Model. <i>Cancer Research</i> , 2011, 71, 4106-4116.	0.9	60

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55	Genome-Wide Analyses Identify Recurrent Amplifications of Receptor Tyrosine Kinases and Cell-Cycle Regulatory Genes in Diffuse Intrinsic Pontine Glioma. <i>Journal of Clinical Oncology</i> , 2011, 29, 3999-4006.	1.6	286
56	Integrated Molecular Genetic Profiling of Pediatric High-Grade Gliomas Reveals Key Differences With the Adult Disease. <i>Journal of Clinical Oncology</i> , 2010, 28, 3061-3068.	1.6	558
57	PTEN Enters the Nuclear Age. <i>Cell</i> , 2007, 128, 25-28.	28.9	143
58	Phase I study of erlotinib administered concurrently with and after irradiation (RT) in the treatment of children, adolescents, and young adults with newly diagnosed intracerebral high-grade glioma. <i>Journal of Clinical Oncology</i> , 2007, 25, 9553-9553.	1.6	0
59	Tumour-suppressor function in the nervous system. <i>Nature Reviews Cancer</i> , 2004, 4, 184-196.	28.4	23
60	Knudson's hypothesis and the TP53 revolution. <i>Genes Chromosomes and Cancer</i> , 2003, 38, 329-329.	2.8	11
61	Redefining p53: Entering the Tumor Suppressor Era. <i>Cell Cycle</i> , 2003, 2, 7-8.	2.6	2
62	Pten regulates neuronal soma size: a mouse model of Lhermitte-Duclos disease. <i>Nature Genetics</i> , 2001, 29, 404-411.	21.4	422