

David Castel

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

5,883
citations

236925

25
h-index

214800

47
g-index

52
all docs

52
docs citations

52
times ranked

8765
citing authors

#	ARTICLE	IF	CITATIONS
1	Deciphering the genetic and epigenetic landscape of pediatric bithalamic tumors. <i>Brain Pathology</i> , 2022, 32, e13039.	4.1	5
2	HGG-41. Glioma oncogenesis in the constitutional mismatch repair deficiency (CMMRD) syndrome. <i>Neuro-Oncology</i> , 2022, 24, i70-i70.	1.2	0
3	A subset of pediatric-type thalamic gliomas share a distinct DNA methylation profile, H3K27me3 loss and frequent alteration of <i>EGFR</i> . <i>Neuro-Oncology</i> , 2021, 23, 34-43.	1.2	75
4	Radiogenomics of diffuse intrinsic pontine gliomas (DIPGs): correlation of histological and biological characteristics with multimodal MRI features. <i>European Radiology</i> , 2021, 31, 8913-8924.	4.5	11
5	A DNA Repair and Cell Cycle Gene Expression Signature in Pediatric High-Grade Gliomas: Prognostic and Therapeutic Value. <i>Cancers</i> , 2021, 13, 2252.	3.7	2
6	High Prevalence of Developmental Venous Anomaly in Diffuse Intrinsic Pontine Gliomas: A Pediatric Control Study. <i>Neurosurgery</i> , 2020, 86, 517-523.	1.1	13
7	The histomolecular criteria established for adult anaplastic pilocytic astrocytoma are not applicable to the pediatric population. <i>Acta Neuropathologica</i> , 2020, 139, 287-303.	7.7	19
8	Modeling the Interaction between the Microenvironment and Tumor Cells in Brain Tumors. <i>Neuron</i> , 2020, 108, 1025-1044.	8.1	31
9	The EP300:BCOR fusion extends the genetic alteration spectrum defining the new tumoral entity of "CNS tumors with BCOR internal tandem duplication". <i>Acta Neuropathologica Communications</i> , 2020, 8, 178.	5.2	17
10	Histone H3 wild-type DIPG/DMG overexpressing EZHIP extend the spectrum diffuse midline gliomas with PRC2 inhibition beyond H3-K27M mutation. <i>Acta Neuropathologica</i> , 2020, 139, 1109-1113.	7.7	104
11	Rapid and Sensitive Drug Quantification in Tissue Sections Using Matrix Assisted Laser Desorption Ionization-Ion Mobility-Mass Spectrometry Profiling. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 742-751.	2.8	13
12	A kinome-wide shRNA screen uncovers vaccinia-related kinase 3 (VRK3) as an essential gene for diffuse intrinsic pontine glioma survival. <i>Oncogene</i> , 2019, 38, 6479-6490.	5.9	13
13	The dark matter of diffuse intrinsic pontine gliomas: an update. <i>Expert Opinion on Orphan Drugs</i> , 2019, 7, 11-20.	0.8	1
14	TP53 Pathway Alterations Drive Radioresistance in Diffuse Intrinsic Pontine Gliomas (DIPG). <i>Clinical Cancer Research</i> , 2019, 25, 6788-6800.	7.0	66
15	International experience in the development of patient-derived xenograft models of diffuse intrinsic pontine glioma. <i>Journal of Neuro-Oncology</i> , 2019, 141, 253-263.	2.9	30
16	Diagnostics of pediatric supratentorial RELA ependymomas: integration of information from histopathology, genetics, DNA methylation and imaging. <i>Brain Pathology</i> , 2019, 29, 325-335.	4.1	55
17	Systematic identification of suspected anthelmintic benzimidazole metabolites using LC-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 151, 151-158.	2.8	9
18	Cerebral blood flow changes after radiation therapy identifies pseudoprogression in diffuse intrinsic pontine gliomas. <i>Neuro-Oncology</i> , 2018, 20, 994-1002.	1.2	21

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19	Small-RNA sequencing identifies dynamic microRNA deregulation during skeletal muscle lineage progression. <i>Scientific Reports</i> , 2018, 8, 4208.	3.3	18
20	Co-occurrence of histone H3 K27M and BRAF V600E mutations in paediatric midline grade I ganglioglioma. <i>Brain Pathology</i> , 2018, 28, 103-111.	4.1	80
21	Diffuse intrinsic pontine gliomas (DIPG) at recurrence: is there a window to test new therapies in some patients?. <i>Journal of Neuro-Oncology</i> , 2018, 137, 111-118.	2.9	16
22	Clinical, Radiologic, Pathologic, and Molecular Characteristics of Long-Term Survivors of Diffuse Intrinsic Pontine Glioma (DIPG): A Collaborative Report From the International and European Society for Pediatric Oncology DIPG Registries. <i>Journal of Clinical Oncology</i> , 2018, 36, 1963-1972.	1.6	250
23	Transcriptomic and epigenetic profiling of diffuse midline gliomas, H3 K27M-mutant discriminate two subgroups based on the type of histone H3 mutated and not supratentorial or infratentorial location. <i>Acta Neuropathologica Communications</i> , 2018, 6, 117.	5.2	83
24	Notch-Induced miR-708 Antagonizes Satellite Cell Migration and Maintains Quiescence. <i>Cell Stem Cell</i> , 2018, 23, 859-868.e5.	11.1	87
25	DIPG-20. PRE-RANDOMISATION CENTRAL REVIEW AND REAL-TIME BIOMARKERS SCREENING IN THE MULTICENTRE BIOLOGICAL MEDICINE FOR DIPG ERADICATION (BIOMEDE) TRIAL: LESSONS LEARNT FROM THE FIRST 120 BIOPSIES. <i>Neuro-Oncology</i> , 2018, 20, i52-i53.	1.2	2
26	Reciprocal signalling by Notch-Collagen-V-CALCR retains muscle stem cells in their niche. <i>Nature</i> , 2018, 557, 714-718.	27.8	203
27	K27M mutation in H3F3A in ganglioglioma grade I with spontaneous malignant transformation extends the histopathological spectrum of the histone H3 oncogenic pathway. <i>Neuropathology and Applied Neurobiology</i> , 2017, 43, 271-276.	3.2	47
28	Development of the SIOPE DIPG network, registry and imaging repository: a collaborative effort to optimize research into a rare and lethal disease. <i>Journal of Neuro-Oncology</i> , 2017, 132, 255-266.	2.9	42
29	Multimodal Magnetic Resonance Imaging of Treatment-Induced Changes to Diffuse Infiltrating Pontine Gliomas in Children and Correlation to Patient Progression-Free Survival. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, 476-485.	0.8	18
30	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
31	The current consensus on the clinical management of intracranial ependymoma and its distinct molecular variants. <i>Acta Neuropathologica</i> , 2017, 133, 5-12.	7.7	271
32	Integrating Tenascin-C protein expression and 1q25 copy number status in pediatric intracranial ependymoma prognostication: A new model for risk stratification. <i>PLoS ONE</i> , 2017, 12, e0178351.	2.5	15
33	New <i>in vivo</i> avatars of diffuse intrinsic pontine gliomas (DIPG) from stereotactic biopsies performed at diagnosis. <i>Oncotarget</i> , 2017, 8, 52543-52559.	1.8	41
34	Histone H3 genotyping refines clinico-radiological diagnostic and prognostic criteria in DIPG. <i>Acta Neuropathologica</i> , 2016, 131, 795-796.	7.7	11
35	Papillary glioneuronal tumors: histological and molecular characteristics and diagnostic value of SLC44A1-PRKCA fusion. <i>Acta Neuropathologica Communications</i> , 2015, 3, 85.	5.2	46
36	Histone H3F3A and HIST1H3B K27M mutations define two subgroups of diffuse intrinsic pontine gliomas with different prognosis and phenotypes. <i>Acta Neuropathologica</i> , 2015, 130, 815-827.	7.7	482

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37	Recurrent activating ACVR1 mutations in diffuse intrinsic pontine glioma. <i>Nature Genetics</i> , 2014, 46, 457-461.	21.4	423
38	A comprehensive evaluation of normalization methods for Illumina high-throughput RNA sequencing data analysis. <i>Briefings in Bioinformatics</i> , 2013, 14, 671-683.	6.5	1,064
39	Reduced H3K27me3 and DNA Hypomethylation Are Major Drivers of Gene Expression in K27M Mutant Pediatric High-Grade Gliomas. <i>Cancer Cell</i> , 2013, 24, 660-672.	16.8	633
40	Learning a Markov Logic network for supervised gene regulatory network inference. <i>BMC Bioinformatics</i> , 2013, 14, 273.	2.6	12
41	Dynamic binding of RBPJ is determined by Notch signaling status. <i>Genes and Development</i> , 2013, 27, 1059-1071.	5.9	218
42	A Critical Requirement for Notch Signaling in Maintenance of the Quiescent Skeletal Muscle Stem Cell State. <i>Stem Cells</i> , 2012, 30, 243-252.	3.2	402
43	Large Scale RNAi Screen Reveals That the Inhibitor of DNA Binding 2 (ID2) Protein Is Repressed by p53 Family Member p63 and Functions in Human Keratinocyte Differentiation. <i>Journal of Biological Chemistry</i> , 2011, 286, 20870-20879.	3.4	10
44	Cell Microarray for Functional Exploration of Genomes. , 2007, 381, 375-384.		5
45	Cell microarrays in drug discovery. <i>Drug Discovery Today</i> , 2006, 11, 616-622.	6.4	91
46	Vacuum casting to manufacture a plastic biochip for highly parallel cell transfection. <i>Measurement Science and Technology</i> , 2006, 17, 3134-3140.	2.6	12
47	Id2 Reverses Cell Cycle Arrest Induced by \hat{I}^3 -Irradiation in Human HaCaT Keratinocytes. <i>Journal of Biological Chemistry</i> , 2005, 280, 15836-15841.	3.4	18
48	Quantitative analysis of highly parallel transfection in cell microarrays. <i>Nucleic Acids Research</i> , 2004, 32, e77-e77.	14.5	73