

# Helena CarÃ©n

## List of Publications by Year in descending order

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57  
papers

2,023  
citations

304743

22  
h-index

254184

43  
g-index

57  
all docs

57  
docs citations

57  
times ranked

3720  
citing authors

#	ARTICLE	IF	CITATIONS
1	High incidence of DNA mutations and gene amplifications of the <i>ALK</i> gene in advanced sporadic neuroblastoma tumours. <i>Biochemical Journal</i> , 2008, 416, 153-159.	3.7	246
2	High-risk neuroblastoma tumors with 11q-deletion display a poor prognostic, chromosome instability phenotype with later onset. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4323-4328.	7.1	200
3	The lncRNA TP73-AS1 is linked to aggressiveness in glioblastoma and promotes temozolomide resistance in glioblastoma cancer stem cells. <i>Cell Death and Disease</i> , 2019, 10, 246.	6.3	129
4	Sense-Antisense lncRNA Pair Encoded by Locus 6p22.3 Determines Neuroblastoma Susceptibility via the USP36-CHD7-SOX9 Regulatory Axis. <i>Cancer Cell</i> , 2018, 33, 417-434.e7.	16.8	122
5	Widespread resetting of DNA methylation in glioblastoma-initiating cells suppresses malignant cellular behavior in a lineage-dependent manner. <i>Genes and Development</i> , 2013, 27, 654-669.	5.9	121
6	Glioblastoma Stem Cells Respond to Differentiation Cues but Fail to Undergo Commitment and Terminal Cell-Cycle Arrest. <i>Stem Cell Reports</i> , 2015, 5, 829-842.	4.8	93
7	High-resolution array copy number analyses for detection of deletion, gain, amplification and copy-neutral LOH in primary neuroblastoma tumors: Four cases of homozygous deletions of the <i>CDKN2A</i> gene. <i>BMC Genomics</i> , 2008, 9, 353.	2.8	84
8	Intratumor DNA methylation heterogeneity in glioblastoma: implications for DNA methylation-based classification. <i>Neuro-Oncology</i> , 2019, 21, 616-627.	1.2	83
9	Appearance of the Novel Activating F1174S <i>ALK</i> Mutation in Neuroblastoma Correlates with Aggressive Tumor Progression and Unresponsiveness to Therapy. <i>Cancer Research</i> , 2011, 71, 98-105.	0.9	80
10	The <i>RASSF</i> gene family members <i>RASSF5</i> , <i>RASSF6</i> and <i>RASSF7</i> show frequent DNA methylation in neuroblastoma. <i>Molecular Cancer</i> , 2012, 11, 40.	19.2	69
11	Identification of epigenetically regulated genes that predict patient outcome in neuroblastoma. <i>BMC Cancer</i> , 2011, 11, 66.	2.6	67
12	Genome-wide methylation profiling identifies novel methylated genes in neuroblastoma tumors. <i>Epigenetics</i> , 2016, 11, 74-84.	2.7	63
13	Validation of the MethylationEPIC BeadChip for fresh-frozen and formalin-fixed paraffin-embedded tumours. <i>Clinical Epigenetics</i> , 2017, 9, 33.	4.1	57
14	The Dynamics of DNA Methylation Covariation Patterns in Carcinogenesis. <i>PLoS Computational Biology</i> , 2014, 10, e1003709.	3.2	52
15	The good, the bad and the ugly: Epigenetic mechanisms in glioblastoma. <i>Molecular Aspects of Medicine</i> , 2013, 34, 849-862.	6.4	46
16	Pediatric brain tumor cells release exosomes with a miRNA repertoire that differs from exosomes secreted by normal cells. <i>Oncotarget</i> , 2017, 8, 90164-90175.	1.8	39
17	A cluster of genes located in 1p36 are down-regulated in neuroblastomas with poor prognosis, but not due to CpG island methylation. <i>Molecular Cancer</i> , 2005, 4, 10.	19.2	35
18	The clinical significance of the T2-FLAIR mismatch sign in grade II and III gliomas: a population-based study. <i>BMC Cancer</i> , 2020, 20, 450.	2.6	34

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19	Comprehensive SNP array study of frequently used neuroblastoma cell lines; copy neutral loss of heterozygosity is common in the cell lines but uncommon in primary tumors. <i>BMC Genomics</i> , 2011, 12, 443.	2.8	33
20	MethPed: a DNA methylation classifier tool for the identification of pediatric brain tumor subtypes. <i>Clinical Epigenetics</i> , 2015, 7, 62.	4.1	33
21	Integrated virus-host methylome analysis in head and neck squamous cell carcinoma. <i>Epigenetics</i> , 2013, 8, 953-961.	2.7	31
22	Stem cell cultures derived from pediatric brain tumors accurately model the originating tumors. <i>Oncotarget</i> , 2017, 8, 18626-18639.	1.8	30
23	11q Deletion or ALK Activity Curbs DLG2 Expression to Maintain an Undifferentiated State in Neuroblastoma. <i>Cell Reports</i> , 2020, 32, 108171.	6.4	25
24	DNA methylation profiling for molecular classification of adult diffuse lower-grade gliomas. <i>Clinical Epigenetics</i> , 2021, 13, 102.	4.1	24
25	High expression of MKP1/DUSP1 counteracts glioma stem cell activity and mediates HDAC inhibitor response. <i>Oncogenesis</i> , 2017, 6, 401.	4.9	22
26	DNA methylation-based age estimation in pediatric healthy tissues and brain tumors. <i>Aging</i> , 2020, 12, 21037-21056.	3.1	22
27	Differentiation therapy for glioblastoma – too many obstacles?. <i>Molecular and Cellular Oncology</i> , 2016, 3, e1124174.	0.7	15
28	Cell line-based xenograft mouse model of paediatric glioma stem cells mirrors the clinical course of the patient. <i>Carcinogenesis</i> , 2018, 39, 1304-1309.	2.8	15
29	Preoperative systemic levels of VEGFA, IL-7, IL-17A, and TNF- $\alpha$ delineate two distinct groups of children with brain tumors. <i>Pediatric Blood and Cancer</i> , 2016, 63, 2112-2122.	1.5	14
30	Aberrant immunostaining pattern of the CD24 glycoprotein in clinical samples and experimental models of pediatric medulloblastomas. <i>Journal of Neuro-Oncology</i> , 2015, 123, 1-13.	2.9	13
31	Spatial heterogeneity in DNA methylation and chromosomal alterations in diffuse gliomas and meningiomas. <i>Modern Pathology</i> , 2022, 35, 1551-1561.	5.5	13
32	Highly Synchronized Expression of Lineage-Specific Genes during <i>In Vitro</i> Hepatic Differentiation of Human Pluripotent Stem Cell Lines. <i>Stem Cells International</i> , 2016, 2016, 1-22.	2.5	11
33	Comparative transcriptomics of hepatic differentiation of human pluripotent stem cells and adult human liver tissue. <i>Physiological Genomics</i> , 2017, 49, 430-446.	2.3	11
34	Accumulation of DNA methylation alterations in paediatric glioma stem cells following fractionated dose irradiation. <i>Clinical Epigenetics</i> , 2020, 12, 26.	4.1	11
35	WHO Grade Loses Its Prognostic Value in Molecularly Defined Diffuse Lower-Grade Gliomas. <i>Frontiers in Oncology</i> , 2021, 11, 803975.	2.8	10
36	Determinants for Effective ALECSAT Immunotherapy Treatment on Autologous Patient-Derived Glioblastoma Stem Cells. <i>Neoplasia</i> , 2018, 20, 25-31.	5.3	9

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37	Patterns of care and clinical outcome in assumed glioblastoma without tissue diagnosis: A population-based study of 131 consecutive patients. <i>PLoS ONE</i> , 2020, 15, e0228480.	2.5	9
38	MethPed: an R package for the identification of pediatric brain tumor subtypes. <i>BMC Bioinformatics</i> , 2016, 17, 262.	2.6	7
39	Dynamic Enhancer Methylation - A Previously Unrecognized Switch for Tissue-Type Plasminogen Activator Expression. <i>PLoS ONE</i> , 2015, 10, e0141805.	2.5	7
40	Genome-wide DNA Methylation Differences in Nonfunctioning Pituitary Adenomas With and Without Postsurgical Progression. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, 2318-2328.	3.6	6
41	DNA methylation alterations across time and space in paediatric brain tumours. <i>Acta Neuropathologica Communications</i> , 2022, 10, .	5.2	6
42	Rapid and specific hypomethylation of enhancers in endothelial cells during adaptation to cell culturing. <i>Epigenetics</i> , 2016, 11, 614-624.	2.7	5
43	Individual Assignment of Adult Diffuse Gliomas into the EM/PM Molecular Subtypes Using a TaqMan Low-Density Array. <i>Clinical Cancer Research</i> , 2019, 25, 7068-7077.	7.0	5
44	DNA microarray analysis of chromosomal susceptibility regions to identify candidate genes for allergic disease: A pilot study. <i>Acta Oto-Laryngologica</i> , 2004, 124, 813-819.	0.9	4
45	Human Pluripotent Stem Cell-Derived Hepatocytes Show Higher Transcriptional Correlation with Adult Liver Tissue than with Fetal Liver Tissue. <i>ACS Omega</i> , 2020, 5, 4816-4827.	3.5	4
46	A randomized phase II trial of efficacy and safety of the immunotherapy ALECSAT as an adjunct to radiotherapy and temozolomide for newly diagnosed glioblastoma. <i>Neuro-Oncology Advances</i> , 2021, 3, vdb156.	0.7	4
47	Alterations in Tumor DNA Are Related to Short Postoperative Survival in Patients Resected for Pancreatic Carcinoma Aimed at Cure. <i>Pancreas</i> , 2016, 45, 900-907.	1.1	2
48	Methylation Analysis Using Microarrays: Analysis and Interpretation. <i>Methods in Molecular Biology</i> , 2019, 1908, 205-217.	0.9	1
49	Stemness and clinical features in relation to the subventricular zone in diffuse lower-grade glioma: an exploratory study. <i>Neuro-Oncology Advances</i> , 2022, 4, .	0.7	1
50	PCLN-03. ORTHOTOPIC TRANSPLANTATION OF PAEDIATRIC GLIOMA STEM CELLS IN MICE MIRRORS THE CLINICAL COURSE OF THE PATIENT. <i>Neuro-Oncology</i> , 2018, 20, i155-i155.	1.2	0
51	Genome-Wide DNA Methylation Differences in Patients With Non-Functioning Pituitary Adenomas With or Without Postsurgical Intervention. <i>Journal of the Endocrine Society</i> , 2021, 5, A643-A643.	0.2	0
52	Genomic Profiling of Neuroblastoma Tumors – Prognostic Impact of Genomic Aberrations. <i>Pediatric Cancer</i> , 2012, , 217-222.	0.0	0
53	Patient-derived cells modeling pediatric glioma. <i>Aging</i> , 2017, 9, 1353-1354.	3.1	0
54	11q Deletion or ALK Activity Curbs DLG2 Expression to Maintain an Undifferentiated State in Neuroblastoma. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

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55	Orthotopic Transplantation of Human Paediatric High-Grade Glioma in Zebrafish Larvae. Brain Sciences, 2022, 12, 625.	2.3	0
56	ETMR-10. Retrospective molecular re-evaluation of CNS PNETs; a population-based study. Neuro-Oncology, 2022, 24, i51-i51.	1.2	0
57	PATH-08. DNA methylation profiling improves routine diagnostics of paediatric CNS tumours: a prospective population-based study. Neuro-Oncology, 2022, 24, i159-i160.	1.2	0