

# Claudia L Kleinman

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

3,198  
citations

172386

29  
h-index

175177

52  
g-index

71  
all docs

71  
docs citations

71  
times ranked

5473  
citing authors

#	ARTICLE	IF	CITATIONS
1	Childhood cerebellar tumours mirror conserved fetal transcriptional programs. <i>Nature</i> , 2019, 572, 67-73.	13.7	293
2	H3K27M induces defective chromatin spread of PRC2-mediated repressive H3K27me2/me3 and is essential for glioma tumorigenesis. <i>Nature Communications</i> , 2019, 10, 1262.	5.8	215
3	H3.3K27M Cooperates with Trp53 Loss and PDGFRA Gain in Mouse Embryonic Neural Progenitor Cells to Induce Invasive High-Grade Gliomas. <i>Cancer Cell</i> , 2017, 32, 684-700.e9.	7.7	192
4	Fusion of TTYH1 with the C19MC microRNA cluster drives expression of a brain-specific DNMT3B isoform in the embryonal brain tumor ETMR. <i>Nature Genetics</i> , 2014, 46, 39-44.	9.4	167
5	Pervasive H3K27 Acetylation Leads to ERV Expression and a Therapeutic Vulnerability in H3K27M Gliomas. <i>Cancer Cell</i> , 2019, 35, 782-797.e8.	7.7	143
6	Polyadenylation-Dependent Control of Long Noncoding RNA Expression by the Poly(A)-Binding Protein Nuclear 1. <i>PLoS Genetics</i> , 2012, 8, e1003078.	1.5	140
7	Comment on "Widespread RNA and DNA Sequence Differences in the Human Transcriptome" <i>Science</i> , 2012, 335, 1302-1302.	6.0	139
8	Stalled developmental programs at the root of pediatric brain tumors. <i>Nature Genetics</i> , 2019, 51, 1702-1713.	9.4	136
9	Macrocyclic lactone resistance in <i>Dirofilaria immitis</i> : Failure of heartworm preventives and investigation of genetic markers for resistance. <i>Veterinary Parasitology</i> , 2015, 210, 167-178.	0.7	122
10	A pseudouridine synthase module is essential for mitochondrial protein synthesis and cell viability. <i>EMBO Reports</i> , 2017, 18, 28-38.	2.0	120
11	RNA sequencing reveals the role of splicing polymorphisms in regulating human gene expression. <i>Genome Research</i> , 2011, 21, 545-554.	2.4	107
12	Histone H3.3G34-Mutant Interneuron Progenitors Co-opt PDGFRA for Gliomagenesis. <i>Cell</i> , 2020, 183, 1617-1633.e22.	13.5	93
13	Dual targeting of polyamine synthesis and uptake in diffuse intrinsic pontine gliomas. <i>Nature Communications</i> , 2021, 12, 971.	5.8	71
14	A Targetable EGFR-Dependent Tumor-Initiating Program in Breast Cancer. <i>Cell Reports</i> , 2017, 21, 1140-1149.	2.9	70
15	A C19MC-LIN28A-MYCN Oncogenic Circuit Driven by Hijacked Super-enhancers Is a Distinct Therapeutic Vulnerability in ETMRs: A Lethal Brain Tumor. <i>Cancer Cell</i> , 2019, 36, 51-67.e7.	7.7	69
16	PRMT5 is essential for B cell development and germinal center dynamics. <i>Nature Communications</i> , 2019, 10, 22.	5.8	61
17	TRPV4 and KRAS and FGFR1 gain-of-function mutations drive giant cell lesions of the jaw. <i>Nature Communications</i> , 2018, 9, 4572.	5.8	58
18	SWI/SNF-Compromised Cancers Are Susceptible to Bromodomain Inhibitors. <i>Cancer Research</i> , 2019, 79, 2761-2774.	0.4	54

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19	The Shc1 adaptor simultaneously balances Stat1 and Stat3 activity to promote breast cancer immune suppression. <i>Nature Communications</i> , 2017, 8, 14638.	5.8	52
20	Statistical Potentials for Improved Structurally Constrained Evolutionary Models. <i>Molecular Biology and Evolution</i> , 2010, 27, 1546-1560.	3.5	49
21	Characterizing temporal genomic heterogeneity in pediatric high-grade gliomas. <i>Acta Neuropathologica Communications</i> , 2017, 5, 78.	2.4	48
22	ZFTAâ€“RELA Dictates Oncogenic Transcriptional Programs to Drive Aggressive Supratentorial Ependymoma. <i>Cancer Discovery</i> , 2021, 11, 2200-2215.	7.7	46
23	Glioblastoma cell populations with distinct oncogenic programs release podoplanin as procoagulant extracellular vesicles. <i>Blood Advances</i> , 2021, 5, 1682-1694.	2.5	46
24	Computational Methods for Evaluating Phylogenetic Models of Coding Sequence Evolution with Dependence between Codons. <i>Molecular Biology and Evolution</i> , 2009, 26, 1663-1676.	3.5	45
25	RNA editing of protein sequences: A rare event in human transcriptomes. <i>Rna</i> , 2012, 18, 1586-1596.	1.6	42
26	Loss of PRMT5 Promotes PDGFRÎ± Degradation during Oligodendrocyte Differentiation and Myelination. <i>Developmental Cell</i> , 2018, 46, 426-440.e5.	3.1	40
27	H3.3 G34W Promotes Growth and Impedes Differentiation of Osteoblast-Like Mesenchymal Progenitors in Giant Cell Tumor of Bone. <i>Cancer Discovery</i> , 2020, 10, 1968-1987.	7.7	40
28	Leukodystrophy-associated POLR3A mutations down-regulate the RNA polymerase III transcript and important regulatory RNA BC200. <i>Journal of Biological Chemistry</i> , 2019, 294, 7445-7459.	1.6	39
29	Mutant H3 histones drive human pre-leukemic hematopoietic stem cell expansion and promote leukemic aggressiveness. <i>Nature Communications</i> , 2019, 10, 2891.	5.8	36
30	Absence of neurological abnormalities in mice homozygous for the Polr3a G672E hypomyelinating leukodystrophy mutation. <i>Molecular Brain</i> , 2017, 10, 13.	1.3	33
31	Gene networks show associations with seed region connectivity. <i>Human Brain Mapping</i> , 2017, 38, 3126-3140.	1.9	32
32	ChIP-seq analysis of the LuxR-type regulator VjbR reveals novel insights into the <i>Brucella</i> virulence gene expression network. <i>Nucleic Acids Research</i> , 2017, 45, 5757-5769.	6.5	30
33	HIV-1 Infection Causes a Down-Regulation of Genes Involved in Ribosome Biogenesis. <i>PLoS ONE</i> , 2014, 9, e113908.	1.1	29
34	A maximum likelihood framework for protein design. <i>BMC Bioinformatics</i> , 2006, 7, 326.	1.2	28
35	Transcriptome profiling of mouse brains with qkl-deficient oligodendrocytes reveals major alternative splicing defects including self-splicing. <i>Scientific Reports</i> , 2017, 7, 7554.	1.6	26
36	Histone H3.3 K27M and K36M mutations de-repress transposable elements through perturbation of antagonistic chromatin marks. <i>Molecular Cell</i> , 2021, 81, 4876-4890.e7.	4.5	26

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37	The leukodystrophy mutation Polr3b R103H causes homozygote mouse embryonic lethality and impairs RNA polymerase III biogenesis. <i>Molecular Brain</i> , 2019, 12, 59.	1.3	24
38	STAT1 potentiates oxidative stress revealing a targetable vulnerability that increases phenformin efficacy in breast cancer. <i>Nature Communications</i> , 2021, 12, 3299.	5.8	24
39	Live single-cell laser tag. <i>Nature Communications</i> , 2016, 7, 11636.	5.8	22
40	Structural variants shape driver combinations and outcomes in pediatric high-grade glioma. <i>Nature Cancer</i> , 2022, 3, 994-1011.	5.7	20
41	Epigenetically defined therapeutic targeting in H3.3G34R/V high-grade gliomas. <i>Science Translational Medicine</i> , 2021, 13, eabf7860.	5.8	18
42	Loss of MAT2A compromises methionine metabolism and represents a vulnerability in H3K27M mutant glioma by modulating the epigenome. <i>Nature Cancer</i> , 2022, 3, 629-648.	5.7	16
43	Consolidation of the Thioredoxin Fold by Peptide Recognition: Interaction between E. coli Thioredoxin Fragments 1 <sup>âˆ’</sup> 93 and 94 <sup>âˆ’</sup> 108. <i>Biochemistry</i> , 2007, 46, 5148-5159.	1.2	13
44	NPM and BRG1 Mediate Transcriptional Resistance to Retinoic Acid in Acute Promyelocytic Leukemia. <i>Cell Reports</i> , 2016, 14, 2938-2949.	2.9	13
45	Transcriptome profiling in preadipocytes identifies long noncoding RNAs as Sam68 targets. <i>Oncotarget</i> , 2017, 8, 81994-82005.	0.8	13
46	Differential expression of tissue-restricted antigens among mTEC is associated with distinct autoreactive T cell fates. <i>Nature Communications</i> , 2020, 11, 3734.	5.8	12
47	A non-canonical role for the EDC4 decapping factor in regulating MARF1-mediated mRNA decay. <i>ELife</i> , 2020, 9, .	2.8	11
48	chromswitch: a flexible method to detect chromatin state switches. <i>Bioinformatics</i> , 2018, 34, 2286-2288.	1.8	10
49	Tungsten Blocks Murine B Lymphocyte Differentiation and Proliferation Through Downregulation of IL-7 Receptor/Pax5 Signaling. <i>Toxicological Sciences</i> , 2019, 170, 45-56.	1.4	10
50	Epigenomic programming in early fetal brain development. <i>Epigenomics</i> , 2020, 12, 1053-1070.	1.0	9
51	Satellite cell expansion is mediated by P-eIF2 <sup>Î±</sup> dependent Tacc3 translation. <i>Development (Cambridge)</i> , 2020, 148, .	1.2	8
52	Integration of Distinct ShcA Signaling Complexes Promotes Breast Tumor Growth and Tyrosine Kinase Inhibitor Resistance. <i>Molecular Cancer Research</i> , 2018, 16, 894-908.	1.5	6
53	Copy number and transcriptome alterations associated with metastatic lesion response to treatment in colorectal cancer. <i>Clinical and Translational Medicine</i> , 2021, 11, e401.	1.7	6
54	Identification of genes functionally involved in the detrimental effects of mutant histone H3.3-K27M in <i>Drosophila melanogaster</i> . <i>Neuro-Oncology</i> , 2019, 21, 628-639.	0.6	5

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55	Digital Display Precision Predictor: the prototype of a global biomarker model to guide treatments with targeted therapy and predict progression-free survival. <i>Npj Precision Oncology</i> , 2021, 5, 33.	2.3	5
56	Painting cells with light. <i>Biochemist</i> , 2016, 38, 8-11.	0.2	3
57	<sc>SWI</sc>/<sc>SNF</sc>-deficient undifferentiated malignancies: where to draw the line<sup>â€‹</sup>. <i>Journal of Pathology</i> , 2022, 256, 139-142.	2.1	3
58	Fast optimization of statistical potentials for structurally constrained phylogenetic models. <i>BMC Evolutionary Biology</i> , 2009, 9, 227.	3.2	2
59	Alternative Splicing of a Receptor Intracellular Domain Yields Different Ectodomain Conformations, Enabling Isoform-Selective Functional Ligands. <i>IScience</i> , 2020, 23, 101447.	1.9	2
60	Mapping Angiopoietin1 Expression in the Developing and Adult Brain. <i>Developmental Neuroscience</i> , 2021, 43, 321-334.	1.0	2
61	Inferring Copy Number from Triple-Negative Breast Cancer Patient Derived Xenograft scRNAseq Data Using scCNA. <i>Methods in Molecular Biology</i> , 2021, 2381, 285-303.	0.4	2
62	PDTM-21. MATCHING OF SINGLE CELL TRANSCRIPTOMICS FROM CEREBELLAR DEVELOPMENT IDENTIFIES PUTATIVE SUBGROUP SPECIFIC CELLS OF ORIGIN FOR MEDULLOBLASTOMA. <i>Neuro-Oncology</i> , 2018, 20, vi208-vi208.	0.6	1
63	Cell Line Phenotypic Enrichment based on Migration and Morphology. <i>Biophysical Journal</i> , 2017, 112, 134a.	0.2	0
64	GENE-21. A COMMON FETAL DEVELOPMENTAL ORIGIN FOR PFA EPENDYMOMA, PFB EPENDYMOMA, AND CEREBELLAR PILOCYTIC ASTROCYTOMAS?. <i>Neuro-Oncology</i> , 2018, 20, vi107-vi107.	0.6	0
65	DIPG-06. IDENTIFICATION OF GENES FUNCTIONALLY INVOLVED IN THE DETRIMENTAL EFFECTS OF MUTANT HISTONE K27M-H3.3 USING DROSOPHILA MELANOGASTER. <i>Neuro-Oncology</i> , 2018, 20, i50-i50.	0.6	0
66	Mutations in Human Histone H3 are Pre-Leukemic Events and Promote Hematopoietic Stem Cell Expansion and Leukemic Aggressiveness. <i>Experimental Hematology</i> , 2018, 64, S55-S56.	0.2	0
67	Single Cell Transcriptomic Analysis of the Histone H3 K27M Mutation in Pre-Leukemic Hematopoietic Stem Cells. <i>Blood</i> , 2019, 134, 3773-3773.	0.6	0
68	Single-Cell Transcriptomic Profiling of De Novo and Relapsed Acute Myeloid Leukemia Identifies a Leukemic Stemness Program Shared across Diverse Phenotypes. <i>Blood</i> , 2020, 136, 1-1.	0.6	0
69	EPCO-06. AGE- AND REGION-SPECIFIC MULTI-OMIC CHARACTERIZATION OF H3-K27M MUTANT DIFFUSE MIDLINE GLIOMA. <i>Neuro-Oncology</i> , 2021, 23, vi2-vi2.	0.6	0
70	DIPG-19. FOXR2 is an oncogenic driver across pediatric and adult cancers. <i>Neuro-Oncology</i> , 2022, 24, i21-i22.	0.6	0