

Michelle Monje

List of Publications by Year in descending order

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papers

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docs citations

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times ranked

19403
citing authors

#	ARTICLE	IF	CITATIONS
1	Characteristics of patients ≤ 10 years of age with diffuse intrinsic pontine glioma: a report from the International DIPG/DMG Registry. <i>Neuro-Oncology</i> , 2022, 24, 141-152.	1.2	9
2	Anti-GD2 synergizes with CD47 blockade to mediate tumor eradication. <i>Nature Medicine</i> , 2022, 28, 333-344.	30.7	105
3	GD2-CAR T cell therapy for H3K27M-mutated diffuse midline gliomas. <i>Nature</i> , 2022, 603, 934-941.	27.8	339
4	Neural Signaling in Cancer. <i>Annual Review of Neuroscience</i> , 2022, 45, 199-221.	10.7	10
5	Inhibiting USP16 rescues stem cell aging and memory in an Alzheimer's model. <i>ELife</i> , 2022, 11, .	6.0	6
6	Maladaptive myelination promotes generalized epilepsy progression. <i>Nature Neuroscience</i> , 2022, 25, 596-606.	14.8	33
7	H3-K27M-mutant nucleosomes interact with MLL1 to shape the glioma epigenetic landscape. <i>Cell Reports</i> , 2022, 39, 110836.	6.4	16
8	Neuronal hyperexcitability drives central and peripheral nervous system tumor progression in models of neurofibromatosis-1. <i>Nature Communications</i> , 2022, 13, 2785.	12.8	29
9	MODL-17. The Childhood Brain Cancer Cell Line Atlas: A Resource for Biomarker Identification and Therapeutic Development. <i>Neuro-Oncology</i> , 2022, 24, i172-i172.	1.2	0
10	Mild respiratory COVID can cause multi-lineage neural cell and myelin dysregulation. <i>Cell</i> , 2022, 185, 2452-2468.e16.	28.9	237
11	Transition to a mesenchymal state in neuroblastoma confers resistance to anti-GD2 antibody via reduced expression of ST8SIA1. <i>Nature Cancer</i> , 2022, 3, 976-993.	13.2	23
12	The bright and the dark side of myelin plasticity: Neuron-glia interactions in health and disease. <i>Seminars in Cell and Developmental Biology</i> , 2021, 116, 10-15.	5.0	10
13	TERT and DNMT1 expression predict sensitivity to decitabine in gliomas. <i>Neuro-Oncology</i> , 2021, 23, 76-87.	1.2	24
14	MRI-based radiomics for prognosis of pediatric diffuse intrinsic pontine glioma: an international study. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab042.	0.7	14
15	Partitioned glioma heritability shows subtype-specific enrichment in immune cells. <i>Neuro-Oncology</i> , 2021, 23, 1304-1314.	1.2	12
16	NF1 mutation drives neuronal activity-dependent initiation of optic glioma. <i>Nature</i> , 2021, 594, 277-282.	27.8	91
17	EPCT-14. GD2 CAR T-CELLS MEDIATE CLINICAL ACTIVITY AND MANAGEABLE TOXICITY IN CHILDREN AND YOUNG ADULTS WITH H3K27M-MUTATED DIPG AND SPINAL CORD DMG. <i>Neuro-Oncology</i> , 2021, 23, i49-i50.	1.2	6
18	Microglia in Cancer Therapy-Related Cognitive Impairment. <i>Trends in Neurosciences</i> , 2021, 44, 441-451.	8.6	56

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19	HGG-06. EARLY GABAERGIC NEURONAL LINEAGE DEFINES DEPENDENCIES IN HISTONE H3 G34R/V GLIOMA. <i>Neuro-Oncology</i> , 2021, 23, i18-i18.	1.2	0
20	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
21	Abstract CT031: GD2 CAR T cells mediate clinical activity and manageable toxicity in children and young adults with DIPG and H3K27M-mutated diffuse midline gliomas. , 2021, , .		7
22	Microenvironmental interactions of oligodendroglial cells. <i>Developmental Cell</i> , 2021, 56, 1821-1832.	7.0	15
23	Unravelling the Mechanisms of Cancer-Related Cognitive Dysfunction in Non-“Central Nervous System Cancer. <i>JAMA Oncology</i> , 2021, 7, 1311.	7.1	6
24	Disruption of Oligodendrogenesis Impairs Memory Consolidation in Adult Mice. <i>Neuron</i> , 2020, 105, 150-164.e6.	8.1	263
25	The Neural Regulation of Cancer. <i>Annual Review of Cancer Biology</i> , 2020, 4, 371-390.	4.5	12
26	A comparative study of brain tumor cells from different age and anatomical locations using 3D biomimetic hydrogels. <i>Acta Biomaterialia</i> , 2020, 116, 201-208.	8.3	10
27	Senescence Induced by BMI1 Inhibition Is a Therapeutic Vulnerability in H3K27M-Mutant DIPG. <i>Cell Reports</i> , 2020, 33, 108286.	6.4	39
28	Treating cancer therapy-“related cognitive impairment. <i>Nature Medicine</i> , 2020, 26, 1174-1175.	30.7	2
29	NCI-CONNECT: Comprehensive Oncology Network Evaluating Rare CNS Tumors-“Histone Mutated Midline Glioma Workshop Proceedings*. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa007.	0.7	4
30	Synaptic Communication in Brain Cancer. <i>Cancer Research</i> , 2020, 80, 2979-2982.	0.9	22
31	Understanding the Deadly Silence of Posterior Fossa A Ependymoma. <i>Molecular Cell</i> , 2020, 78, 999-1001.	9.7	5
32	Pharmacologic inhibition of lysine-specific demethylase 1 as a therapeutic and immune-sensitization strategy in pediatric high-grade glioma. <i>Neuro-Oncology</i> , 2020, 22, 1302-1314.	1.2	42
33	Activity Shapes Neural Circuit Form and Function: A Historical Perspective. <i>Journal of Neuroscience</i> , 2020, 40, 944-954.	3.6	62
34	Locoregionally administered B7-H3-targeted CAR T cells for treatment of atypical teratoid/rhabdoid tumors. <i>Nature Medicine</i> , 2020, 26, 712-719.	30.7	172
35	Roadmap for the Emerging Field of Cancer Neuroscience. <i>Cell</i> , 2020, 181, 219-222.	28.9	182
36	CRISPRi-based radiation modifier screen identifies long non-coding RNA therapeutic targets in glioma. <i>Genome Biology</i> , 2020, 21, 83.	8.8	76

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37	CD58 Aberrations Limit Durable Responses to CD19 CAR in Large B Cell Lymphoma Patients Treated with Axicabtagene Ciloleucel but Can be Overcome through Novel CAR Engineering. <i>Blood</i> , 2020, 136, 53-54.	1.4	28
38	DIPG-32. AKT SIGNALING DRIVES RESISTANCE TO ONC201 IN DIFFUSE INTRINSIC PONTINE GLIOMA (DIPG). <i>Neuro-Oncology</i> , 2020, 22, iii293-iii293.	1.2	0
39	Pediatric Brain Tumors. <i>CONTINUUM Lifelong Learning in Neurology</i> , 2020, 26, 1553-1583.	0.8	6
40	Bespoke myelin tailored to neuron type. <i>Science</i> , 2020, 370, 1414-1415.	12.6	2
41	DIPG-29. PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE 3-KINASE (PI3K) INHIBITION DRIVES PROTEIN KINASE C ACTIVATION (PKC) IN DIFFUSE INTRINSIC PONTINE GLIOMA (DIPG). <i>Neuro-Oncology</i> , 2020, 22, iii292-iii293.	1.2	1
42	EXTH-67. PHARMACOLOGIC INHIBITION OF LYSINE SPECIFIC DEMETHYLASE-1 (LSD1) AS AN ADJUVANT IMMUNE-SENSITIZATION STRATEGY IN DIFFUSE INTRINSIC PONTINE GLIOMA (DIPG). <i>Neuro-Oncology</i> , 2020, 22, ii102-ii102.	1.2	0
43	EXTH-37. TARGETING EPIGENETIC VULNERABILITIES IDENTIFIED FROM A CRISPR SCREEN IN H3.3K27M DIPG. <i>Neuro-Oncology</i> , 2020, 22, ii95-ii95.	1.2	0
44	NIMG-31. NON-DIPG PATIENTS ENROLLED IN THE INTERNATIONAL DIPG REGISTRY: HISTOPATHOLOGIC EVALUATION OF CENTRAL NEURO-IMAGING REVIEW. <i>Neuro-Oncology</i> , 2020, 22, ii154-ii154.	1.2	0
45	IMMU-55. GD2 IS A MACROPHAGE CHECKPOINT MOLECULE AND COMBINED GD2/CD47 BLOCKADE RESULTS IN SYNERGISTIC EFFECTS AGAINST GD2 POSITIVE MALIGNANCIES. <i>Neuro-Oncology</i> , 2020, 22, ii116-ii116.	1.2	0
46	TMOD-13. RESEARCH RESOURCES FOR OLIGODENDROGLIOMA NOW AVAILABLE TO RESEARCH COMMUNITY. <i>Neuro-Oncology</i> , 2020, 22, ii230-ii230.	1.2	0
47	EPCO-26. PROJECT HOPE: PEDIATRIC AND AYA HIGH-GRADE GLIOMA OMICS PROJECT. A LONGITUDINAL MOLECULAR LANDSCAPE OF HIGH-GRADE GLIOMAS RESOLVED AT SINGLE-CELL LEVEL. <i>Neuro-Oncology</i> , 2020, 22, ii74-ii75.	1.2	0
48	TAMI-21. MALIGNANT GLIOMAS REMODEL FUNCTIONAL NEURAL CIRCUITS THROUGH PARACRINE SIGNALING WHICH CONFERS A NEGATIVE PROGNOSIS. <i>Neuro-Oncology</i> , 2020, 22, ii217-ii218.	1.2	0
49	An Integrative Model of Cellular States, Plasticity, and Genetics for Glioblastoma. <i>Cell</i> , 2019, 178, 835-849.e21.	28.9	1,408
50	Inflaming glioma growth. <i>Neuro-Oncology</i> , 2019, 21, 1213-1214.	1.2	0
51	Diffuse Intrinsic Pontine Glioma: From Diagnosis to Next-Generation Clinical Trials. <i>Current Treatment Options in Neurology</i> , 2019, 21, 37.	1.8	73
52	Histone Variant and Cell Context Determine H3K27M Reprogramming of the Enhancer Landscape and Oncogenic State. <i>Molecular Cell</i> , 2019, 76, 965-980.e12.	9.7	110
53	The oncolytic virus Delta-24-RGD elicits an antitumor effect in pediatric glioma and DIPG mouse models. <i>Nature Communications</i> , 2019, 10, 2235.	12.8	96
54	DIPG-03. TARGETING PI3K USING THE BLOOD BRAIN BARRIER PENETRABLE INHIBITOR, GDC-0084, FOR THE TREATMENT OF DIFFUSE INTRINSIC PONTINE GLIOMA (DIPG). <i>Neuro-Oncology</i> , 2019, 21, ii68-ii68.	1.2	5

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55	ALK2 inhibitors display beneficial effects in preclinical models of ACVR1 mutant diffuse intrinsic pontine glioma. <i>Communications Biology</i> , 2019, 2, 156.	4.4	73
56	Loss of Adaptive Myelination Contributes to Methotrexate Chemotherapy-Related Cognitive Impairment. <i>Neuron</i> , 2019, 103, 250-265.e8.	8.1	177
57	Developmental origins and emerging therapeutic opportunities for childhood cancer. <i>Nature Medicine</i> , 2019, 25, 367-376.	30.7	112
58	Therapeutic strategies for diffuse midline glioma from high-throughput combination drug screening. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	129
59	TMIC-46. GLIOMA-INDUCED SYNAPTOGENESIS IS ENRICHED WITHIN FUNCTIONAL CONNECTIVITY NETWORK HUBS AND INFLUENCES LANGUAGE PROCESSING IN ADULT IDH WT GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2019, 21, vi257-vi258.	1.2	0
60	c-Jun overexpression in CAR T cells induces exhaustion resistance. <i>Nature</i> , 2019, 576, 293-300.	27.8	480
61	Diffuse intrinsic pontine glioma: molecular landscape and emerging therapeutic targets. <i>Current Opinion in Oncology</i> , 2019, 31, 522-530.	2.4	45
62	Emerging mechanistic underpinnings and therapeutic targets for chemotherapy-related cognitive impairment. <i>Current Opinion in Oncology</i> , 2019, 31, 531-539.	2.4	26
63	Electrical and synaptic integration of glioma into neural circuits. <i>Nature</i> , 2019, 573, 539-545.	27.8	706
64	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
65	CAR T Cells Targeting B7-H3, a Pan-Cancer Antigen, Demonstrate Potent Preclinical Activity Against Pediatric Solid Tumors and Brain Tumors. <i>Clinical Cancer Research</i> , 2019, 25, 2560-2574.	7.0	369
66	Methotrexate Chemotherapy Induces Persistent Tri-gliial Dysregulation that Underlies Chemotherapy-Related Cognitive Impairment. <i>Cell</i> , 2019, 176, 43-55.e13.	28.9	222
67	Monosynaptic tracing maps brain-wide afferent oligodendrocyte precursor cell connectivity. <i>ELife</i> , 2019, 8, .	6.0	49
68	Developmental and oncogenic programs in H3K27M gliomas dissected by single-cell RNA-seq. <i>Science</i> , 2018, 360, 331-335.	12.6	461
69	Potent antitumor efficacy of anti-GD2 CAR T cells in H3-K27M+ diffuse midline gliomas. <i>Nature Medicine</i> , 2018, 24, 572-579.	30.7	321
70	Bad wrap: Myelin and myelin plasticity in health and disease. <i>Developmental Neurobiology</i> , 2018, 78, 123-135.	3.0	70
71	DIPG-41. IDENTIFICATION OF BIRC5 AS A NOVEL THERAPEUTIC TARGET FOR DIFFUSE INTRINSIC PONTINE GLIOMA. <i>Neuro-Oncology</i> , 2018, 20, i57-i57.	1.2	1
72	IMMU-19. LSD1 MODULATES NK CELL IMMUNOTHERAPY THROUGH AN ONCO-IMMUNOGENIC GENE SIGNATURE IN DIPG. <i>Neuro-Oncology</i> , 2018, 20, i102-i102.	1.2	2

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73	Open questions: why are babies rarely born with cancer?. BMC Biology, 2018, 16, 129.	3.8	6
74	DIPG-69. CHARACTERISTICS OF PATIENTS ≤ 10 YEARS OF AGE WITH DIFFUSE INTRINSIC PONTINE GLIOMA: A REPORT FROM THE INTERNATIONAL DIPG REGISTRY. Neuro-Oncology, 2018, 20, i63-i63.	1.2	1
75	An active role for neurons in glioma progression: making sense of Scherer's structures. Neuro-Oncology, 2018, 20, 1292-1299.	1.2	50
76	Functional diversity and cooperativity between subclonal populations of pediatric glioblastoma and diffuse intrinsic pontine glioma cells. Nature Medicine, 2018, 24, 1204-1215.	30.7	133
77	Myelin Plasticity and Nervous System Function. Annual Review of Neuroscience, 2018, 41, 61-76.	10.7	153
78	Non-inflammatory tumor microenvironment of diffuse intrinsic pontine glioma. Acta Neuropathologica Communications, 2018, 6, 51.	5.2	115
79	DIPG-22. A PHASE 1 TRIAL OF THE HISTONE DEACETYLASE INHIBITOR PANOBINOSTAT IN PEDIATRIC PATIENTS WITH RECURRENT OR REFRACTORY DIFFUSE INTRINSIC PONTINE GLIOMA: A PEDIATRIC BRAIN TUMOR CONSORTIUM (PBTC) STUDY. Neuro-Oncology, 2018, 20, i53-i53.	1.2	10
80	Pediatric high-grade glioma: biologically and clinically in need of new thinking. Neuro-Oncology, 2017, 19, now101.	1.2	217
81	Settling a Nervous Stomach: The Neural Regulation of Enteric Cancer. Cancer Cell, 2017, 31, 1-2.	16.8	34
82	The international diffuse intrinsic pontine glioma registry: an infrastructure to accelerate collaborative research for an orphan disease. Journal of Neuro-Oncology, 2017, 132, 323-331.	2.9	27
83	Brain Perfusion and Diffusion Abnormalities in Children Treated for Posterior Fossa Brain Tumors. Journal of Pediatrics, 2017, 185, 173-180.e3.	1.8	21
84	Neuronal Activity in Ontogeny and Oncology. Trends in Cancer, 2017, 3, 89-112.	7.4	80
85	Transcriptional Dependencies in Diffuse Intrinsic Pontine Glioma. Cancer Cell, 2017, 31, 635-652.e6.	16.8	290
86	Decoupling genetics, lineages, and microenvironment in IDH-mutant gliomas by single-cell RNA-seq. Science, 2017, 355, .	12.6	743
87	Disrupting the CD47-SIRPα anti-phagocytic axis by a humanized anti-CD47 antibody is an efficacious treatment for malignant pediatric brain tumors. Science Translational Medicine, 2017, 9, .	12.4	306
88	Integrated Molecular Meta-Analysis of 1,000 Pediatric High-Grade and Diffuse Intrinsic Pontine Glioma. Cancer Cell, 2017, 32, 520-537.e5.	16.8	716
89	Targeting neuronal activity-regulated neuroligin-3 dependency in high-grade glioma. Nature, 2017, 549, 533-537.	27.8	350
90	Wrapped to Adapt: Experience-Dependent Myelination. Neuron, 2017, 95, 743-756.	8.1	175

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91	Neural Precursor-Derived Pleiotrophin Mediates Subventricular Zone Invasion by Glioma. <i>Cell</i> , 2017, 170, 845-859.e19.	28.9	159
92	Contemporary survival endpoints: an International Diffuse Intrinsic Pontine Glioma Registry study. <i>Neuro-Oncology</i> , 2017, 19, 1279-1280.	1.2	93
93	A Protocol for Rapid Post-mortem Cell Culture of Diffuse Intrinsic Pontine Glioma (DIPG). <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	33
94	Neuronal activity in the glioma microenvironment. <i>Current Opinion in Neurobiology</i> , 2017, 47, 156-161.	4.2	41
95	HGG-22. TARGETING NEURONAL ACTIVITY-REGULATED NEUROLIGIN-3 DEPENDENCY FOR HIGH-GRADE GLIOMA THERAPY. <i>Neuro-Oncology</i> , 2017, 19, iv27-iv27.	1.2	1
96	Diffuse Intrinsic Pontine Glioma: New Pathophysiological Insights and Emerging Therapeutic Targets. <i>Current Neuropharmacology</i> , 2017, 15, 88-97.	2.9	88
97	Neurologic Complications of Oncologic Therapy. , 2016, , 125-142.		1
98	Single-cell RNA-seq supports a developmental hierarchy in human oligodendroglioma. <i>Nature</i> , 2016, 539, 309-313.	27.8	875
99	Myelin plasticity in the central nervous system. <i>Neuropharmacology</i> , 2016, 110, 563-573.	4.1	84
100	PTPS-24MECHANISMS OF DIFFUSE INTRINSIC PONTINE GLIOMA METASTASIS TO THE SUBVENTRICULAR ZONE. <i>Neuro-Oncology</i> , 2015, 17, v184.3-v184.	1.2	0
101	BT-02 * FUNCTIONALLY-DEFINED THERAPEUTIC TARGETS IN DIFFUSE INTRINSIC PONTINE GLIOMA. <i>Neuro-Oncology</i> , 2015, 17, iii3-iii3.	1.2	2
102	Neuronal Activity Promotes Glioma Growth through Neuroligin-3 Secretion. <i>Cell</i> , 2015, 161, 803-816.	28.9	550
103	Functionally defined therapeutic targets in diffuse intrinsic pontine glioma. <i>Nature Medicine</i> , 2015, 21, 555-559.	30.7	473
104	Neuronal Activity Promotes Oligodendrogenesis and Adaptive Myelination in the Mammalian Brain. <i>Science</i> , 2014, 344, 1252304.	12.6	1,057
105	Recurrent activating ACVR1 mutations in diffuse intrinsic pontine glioma. <i>Nature Genetics</i> , 2014, 46, 457-461.	21.4	423
106	Human pontine glioma cells can induce murine tumors. <i>Acta Neuropathologica</i> , 2014, 127, 897-909.	7.7	63
107	Subventricular spread of diffuse intrinsic pontine glioma. <i>Acta Neuropathologica</i> , 2014, 128, 605-607.	7.7	74
108	Epigenetic targeting of Hedgehog pathway transcriptional output through BET bromodomain inhibition. <i>Nature Medicine</i> , 2014, 20, 732-740.	30.7	255

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109	ME-04 * SUBVENTRICULAR SPREAD OF DIFFUSE INTRINSIC PONTINE GLIOMA. <i>Neuro-Oncology</i> , 2014, 16, v120-v120.	1.2	0
110	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
111	Functional and structural differences in the hippocampus associated with memory deficits in adult survivors of acute lymphoblastic leukemia. <i>Pediatric Blood and Cancer</i> , 2013, 60, 293-300.	1.5	49
112	Cognitive side effects of cancer therapy demonstrate a functional role for adult neurogenesis. <i>Behavioural Brain Research</i> , 2012, 227, 376-379.	2.2	172
113	Neurological complications following treatment of children with brain tumors. <i>Journal of Pediatric Rehabilitation Medicine</i> , 2011, 4, 31-36.	0.5	16
114	Hedgehog-responsive candidate cell of origin for diffuse intrinsic pontine glioma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4453-4458.	7.1	262
115	Cranial radiation therapy and damage to hippocampal neurogenesis. <i>Developmental Disabilities Research Reviews</i> , 2008, 14, 238-242.	2.9	89
116	Clinical Patterns and Biological Correlates of Cognitive Dysfunction Associated with Cancer Therapy. <i>Oncologist</i> , 2008, 13, 1285-1295.	3.7	297
117	Excitation-Neurogenesis Coupling in Adult Neural Stem/Progenitor Cells. <i>Neuron</i> , 2004, 42, 535-552.	8.1	606