

Annette M Molinaro

List of Publications by Year in descending order

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Version: 2024-02-01

101
papers

8,060
citations

101384

36
h-index

51492

86
g-index

104
all docs

104
docs citations

104
times ranked

12823
citing authors

#	ARTICLE	IF	CITATIONS
1	Glioma Groups Based on 1p/19q, <i>IDH</i> , and <i>TERT</i> Promoter Mutations in Tumors. <i>New England Journal of Medicine</i> , 2015, 372, 2499-2508.	13.9	1,632
2	Prediction error estimation: a comparison of resampling methods. <i>Bioinformatics</i> , 2005, 21, 3301-3307.	1.8	1,045
3	Genetic and molecular epidemiology of adult diffuse glioma. <i>Nature Reviews Neurology</i> , 2019, 15, 405-417.	4.9	437
4	Survival and low-grade glioma: the emergence of genetic information. <i>Neurosurgical Focus</i> , 2015, 38, E6.	1.0	358
5	Awake craniotomy to maximize glioma resection: methods and technical nuances over a 27-year period. <i>Journal of Neurosurgery</i> , 2015, 123, 325-339.	0.9	334
6	Association of Maximal Extent of Resection of Contrast-Enhanced and Non-Contrast-Enhanced Tumor With Survival Within Molecular Subgroups of Patients With Newly Diagnosed Glioblastoma. <i>JAMA Oncology</i> , 2020, 6, 495.	3.4	325
7	Biomarker Expression and Risk of Subsequent Tumors After Initial Ductal Carcinoma In Situ Diagnosis. <i>Journal of the National Cancer Institute</i> , 2010, 102, 627-637.	3.0	304
8	Adverse radiation effect after stereotactic radiosurgery for brain metastases: incidence, time course, and risk factors. <i>Journal of Neurosurgery</i> , 2015, 123, 373-386.	0.9	247
9	Adult infiltrating gliomas with WHO 2016 integrated diagnosis: additional prognostic roles of ATRX and TERT. <i>Acta Neuropathologica</i> , 2017, 133, 1001-1016.	3.9	245
10	DNA Methylation and Somatic Mutations Converge on the Cell Cycle and Define Similar Evolutionary Histories in Brain Tumors. <i>Cancer Cell</i> , 2015, 28, 307-317.	7.7	221
11	Toward precision medicine in glioblastoma: the promise and the challenges. <i>Neuro-Oncology</i> , 2015, 17, 1051-1063.	0.6	178
12	Variants near TERT and TERC influencing telomere length are associated with high-grade glioma risk. <i>Nature Genetics</i> , 2014, 46, 731-735.	9.4	161
13	<i>CDKN2A</i> Loss Is Associated With Shortened Overall Survival in Lower-Grade (World Health) Tumor. <i>Journal of Clinical Oncology</i> , 2015, 33, 442-452.	0.9	144
14	Clonal expansion and epigenetic reprogramming following deletion or amplification of mutant <i>IDH1</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10743-10748.	3.3	109
15	Enhanced cell deconvolution of peripheral blood using DNA methylation for high-resolution immune profiling. <i>Nature Communications</i> , 2022, 13, 761.	5.8	93
16	Expression and prognostic impact of immune modulatory molecule PD-L1 in meningioma. <i>Journal of Neuro-Oncology</i> , 2016, 130, 543-552.	1.4	90
17	Longer genotypically-estimated leukocyte telomere length is associated with increased adult glioma risk. <i>Oncotarget</i> , 2015, 6, 42468-42477.	0.8	87
18	Phase-2 trial of palbociclib in adult patients with recurrent RB1-positive glioblastoma. <i>Journal of Neuro-Oncology</i> , 2018, 140, 477-483.	1.4	82

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19	Telomere maintenance and the etiology of adult glioma. <i>Neuro-Oncology</i> , 2015, 17, 1445-1452.	0.6	70
20	Mass cytometry detects H3.3K27M-specific vaccine responses in diffuse midline glioma. <i>Journal of Clinical Investigation</i> , 2020, 130, 6325-6337.	3.9	70
21	Prospective Feasibility Trial for Genomics-Informed Treatment in Recurrent and Progressive Glioblastoma. <i>Clinical Cancer Research</i> , 2018, 24, 295-305.	3.2	68
22	Surgical assessment of the insula. Part 2: validation of the Berger-Sanai zone classification system for predicting extent of glioma resection. <i>Journal of Neurosurgery</i> , 2016, 124, 482-488.	0.9	65
23	Metabolic Profiling of IDH Mutation and Malignant Progression in Infiltrating Glioma. <i>Scientific Reports</i> , 2017, 7, 44792.	1.6	63
24	Understanding inherited genetic risk of adult glioma – a review. <i>Neuro-Oncology Practice</i> , 2016, 3, 10-16.	1.0	62
25	Effect of Provider Experience on Clinician-Performed Ultrasonography for Hydronephrosis in Patients With Suspected Renal Colic. <i>Annals of Emergency Medicine</i> , 2014, 64, 269-276.	0.3	60
26	Immunomethylomic approach to explore the blood neutrophil lymphocyte ratio (NLR) in glioma survival. <i>Clinical Epigenetics</i> , 2017, 9, 10.	1.8	60
27	Quantitative assessment shows loss of antigenic epitopes as a function of pre-analytic variables. <i>Laboratory Investigation</i> , 2011, 91, 1253-1261.	1.7	55
28	MGMT promoter methylation level in newly diagnosed low-grade glioma is a predictor of hypermutation at recurrence. <i>Neuro-Oncology</i> , 2020, 22, 1580-1590.	0.6	55
29	Tree-based multivariate regression and density estimation with right-censored data. <i>Journal of Multivariate Analysis</i> , 2004, 90, 154-177.	0.5	52
30	Temozolomide-induced hypermutation is associated with distant recurrence and reduced survival after high-grade transformation of low-grade IDH-mutant gliomas. <i>Neuro-Oncology</i> , 2021, 23, 1872-1884.	0.6	48
31	The Effect of Timing of Concurrent Chemoradiation in Patients With Newly Diagnosed Glioblastoma. <i>Neurosurgery</i> , 2015, 77, 248-253.	0.6	47
32	Phase I study of vemurafenib in children with recurrent or progressive BRAFV600E mutant brain tumors: Pacific Pediatric Neuro-Oncology Consortium study (PNOC-002). <i>Oncotarget</i> , 2020, 11, 1942-1952.	0.8	45
33	Phase II trial of 7 days on/7 days off temozolomide for recurrent high-grade glioma. <i>Neuro-Oncology</i> , 2014, 16, 1255-1262.	0.6	44
34	Probing the phosphatidylinositol 3-kinase/mammalian target of rapamycin pathway in gliomas: A phase 2 study of everolimus for recurrent adult low-grade gliomas. <i>Cancer</i> , 2017, 123, 4631-4639.	2.0	43
35	An independently validated nomogram for isocitrate dehydrogenase-wild-type glioblastoma patient survival. <i>Neuro-Oncology Advances</i> , 2019, 1, vdz007.	0.4	40
36	GBM heterogeneity as a function of variable epidermal growth factor receptor variant III activity. <i>Oncotarget</i> , 2016, 7, 79101-79116.	0.8	39

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37	Temporal Dynamics of Pseudoprogression After Gamma Knife Radiosurgery for Vestibular Schwannomas—A Retrospective Volumetric Study. <i>Neurosurgery</i> , 2019, 84, 123-131.	0.6	39
38	<i>ds</i> : deletion/substitution/addition algorithm for partitioning the covariate space in prediction. <i>Bioinformatics</i> , 2010, 26, 1357-1363.	1.8	37
39	Clinical, radiologic, and genetic characteristics of histone H3 K27M-mutant diffuse midline gliomas in adults. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa142.	0.4	35
40	Presence of cerebral microbleeds is associated with worse executive function in pediatric brain tumor survivors. <i>Neuro-Oncology</i> , 2016, 18, now163.	0.6	33
41	The effects of anti-angiogenic therapy on the formation of radiation-induced microbleeds in normal brain tissue of patients with glioma. <i>Neuro-Oncology</i> , 2016, 18, 87-95.	0.6	33
42	Indications and Efficacy of Gamma Knife Stereotactic Radiosurgery for Recurrent Glioblastoma: 2 Decades of Institutional Experience. <i>Neurosurgery</i> , 2017, 80, 129-139.	0.6	33
43	A phase 1 trial of intravenous liposomal irinotecan in patients with recurrent high-grade glioma. <i>Cancer Chemotherapy and Pharmacology</i> , 2017, 79, 603-610.	1.1	32
44	Randomized trial of neoadjuvant vaccination with tumor-cell lysate induces T cell response in low-grade gliomas. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	32
45	Diagnostic tests: how to estimate the positive predictive value. <i>Neuro-Oncology Practice</i> , 2015, 2, 162-166.	1.0	30
46	Improved Survival with Decreased Wait Time to Surgery in Glioblastoma Patients Presenting with Seizure. <i>Neurosurgery</i> , 2017, 81, 824-833.	0.6	30
47	Postoperative Delirium in Glioblastoma Patients: Risk Factors and Prognostic Implications. <i>Neurosurgery</i> , 2018, 83, 1161-1172.	0.6	29
48	Magnetic resonance analysis of malignant transformation in recurrent glioma. <i>Neuro-Oncology</i> , 2016, 18, 1169-1179.	0.6	28
49	Detection of glioma infiltration at the tumor margin using quantitative stimulated Raman scattering histology. <i>Scientific Reports</i> , 2021, 11, 12162.	1.6	28
50	PKM2 uses control of HuR localization to regulate p27 and cell cycle progression in human glioblastoma cells. <i>International Journal of Cancer</i> , 2016, 139, 99-111.	2.3	25
51	Risk factors of radiotherapy-induced cerebral microbleeds and serial analysis of their size compared with white matter changes: A 7T MRI study in 113 adult patients with brain tumors. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 868-877.	1.9	25
52	Doubly robust survival trees. <i>Statistics in Medicine</i> , 2016, 35, 3595-3612.	0.8	24
53	Using germline variants to estimate glioma and subtype risks. <i>Neuro-Oncology</i> , 2019, 21, 451-461.	0.6	23
54	Residual Tumor Volume and Location Predict Progression After Primary Subtotal Resection of Sporadic Vestibular Schwannomas: A Retrospective Volumetric Study. <i>Neurosurgery</i> , 2020, 86, 410-416.	0.6	22

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55	Developing an Algorithm for Optimizing Care of Elderly Patients With Glioblastoma. <i>Neurosurgery</i> , 2018, 82, 64-75.	0.6	22
56	Improving the noninvasive classification of glioma genetic subtype with deep learning and diffusion-weighted imaging. <i>Neuro-Oncology</i> , 2022, 24, 639-652.	0.6	22
57	Power of Data Mining Methods to Detect Genetic Associations and Interactions. <i>Human Heredity</i> , 2011, 72, 85-97.	0.4	21
58	A Partitioning Deletion/Substitution/Addition Algorithm for Creating Survival Risk Groups. <i>Biometrics</i> , 2012, 68, 1146-1156.	0.8	21
59	The Genetics of Splicing in Neuroblastoma. <i>Cancer Discovery</i> , 2015, 5, 380-395.	7.7	20
60	Statistical considerations on prognostic models for glioma. <i>Neuro-Oncology</i> , 2016, 18, 609-623.	0.6	20
61	Adult diffuse glioma GWAS by molecular subtype identifies variants in <i>D2HGDH</i> and <i>FAM20C</i> . <i>Neuro-Oncology</i> , 2020, 22, 1602-1613.	0.6	19
62	Association of Neurological Impairment on the Relative Benefit of Maximal Extent of Resection in Chemoradiation-Treated Newly Diagnosed Isocitrate Dehydrogenase Wild-Type Glioblastoma. <i>Neurosurgery</i> , 2022, 90, 124-130.	0.6	17
63	Reirradiation of recurrent high-grade glioma and development of prognostic scores for progression and survival. <i>Neuro-Oncology Practice</i> , 2019, 6, 364-374.	1.0	16
64	The impact of obesity on perioperative complications in patients undergoing anterior lumbar interbody fusion. <i>Journal of Neurosurgery: Spine</i> , 2020, 33, 332-341.	0.9	16
65	Risk prediction for local versus regional/metastatic tumors after initial ductal carcinoma in situ diagnosis treated by lumpectomy. <i>Breast Cancer Research and Treatment</i> , 2016, 157, 351-361.	1.1	15
66	Characterization of Metabolic, Diffusion, and Perfusion Properties in GBM: Contrast-Enhancing versus Non-Enhancing Tumor. <i>Translational Oncology</i> , 2017, 10, 895-903.	1.7	15
67	The influence of race and socioeconomic status on therapeutic clinical trial screening and enrollment. <i>Journal of Neuro-Oncology</i> , 2020, 148, 131-139.	1.4	15
68	PI3K/AKT/mTOR signaling pathway activity in IDH-mutant diffuse glioma and clinical implications. <i>Neuro-Oncology</i> , 2022, 24, 1471-1481.	0.6	14
69	Phase I trial of caudate deep brain stimulation for treatment-resistant tinnitus. <i>Journal of Neurosurgery</i> , 2020, 133, 992-1001.	0.9	13
70	Immune profiles and DNA methylation alterations related with non-muscle-invasive bladder cancer outcomes. <i>Clinical Epigenetics</i> , 2022, 14, 14.	1.8	13
71	Longer genotypically-estimated leukocyte telomere length is associated with increased meningioma risk. <i>Journal of Neuro-Oncology</i> , 2019, 142, 479-487.	1.4	11
72	Rate of radiation-induced microbleed formation on 7T MRI relates to cognitive impairment in young patients treated with radiation therapy for a brain tumor. <i>Radiotherapy and Oncology</i> , 2021, 154, 145-153.	0.3	11

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73	Interactions of Age and Blood Immune Factors and Noninvasive Prediction of Glioma Survival. <i>Journal of the National Cancer Institute</i> , 2022, 114, 446-457.	3.0	11
74	Comparative Sensitivity of Intraoperative Motor Evoked Potential Monitoring in Predicting Postoperative Neurologic Deficits: Nondegenerative versus Degenerative Myelopathy. <i>Global Spine Journal</i> , 2016, 6, 452-458.	1.2	10
75	Identifying Voxels at Risk for Progression in Glioblastoma Based on Dosimetry, Physiologic and Metabolic MRI. <i>Radiation Research</i> , 2017, 188, 303.	0.7	10
76	Smoking Is an Independent Risk Factor for 90-Day Readmission and Reoperation Following Posterior Cervical Decompression and Fusion. <i>Neurosurgery</i> , 2021, 88, 1088-1094.	0.6	10
77	Prospective genomically guided identification of "early/evolving" and "undersampled" IDH-wildtype glioblastoma leads to improved clinical outcomes. <i>Neuro-Oncology</i> , 2022, 24, 1749-1762.	0.6	10
78	Relationship of In Vivo MR Parameters to Histopathological and Molecular Characteristics of Newly Diagnosed, Nonenhancing Lower-Grade Gliomas. <i>Translational Oncology</i> , 2018, 11, 941-949.	1.7	8
79	Clinical trial endpoints for patients with gliomas. <i>Neuro-Oncology Practice</i> , 2017, 4, 201-208.	1.0	7
80	The immunogenetics of viral antigen response is associated with subtype-specific glioma risk and survival. <i>American Journal of Human Genetics</i> , 2022, 109, 1105-1116.	2.6	7
81	Pre-surgery immune profiles of adult glioma patients. <i>Journal of Neuro-Oncology</i> , 2022, 159, 103-115.	1.4	7
82	A single institution retrospective analysis on survival based on treatment paradigms for patients with anaplastic oligodendroglioma. <i>Journal of Neuro-Oncology</i> , 2021, 153, 447-454.	1.4	6
83	Reducing complication rates for repeat craniotomies in glioma patients: a single-surgeon experience and comparison with the literature. <i>Acta Neurochirurgica</i> , 2022, 164, 405-417.	0.9	6
84	Skin disease in goats (<i>Capra aegagrus hircus</i>): a retrospective study of 358 cases at a university veterinary teaching hospital (1988-2020). <i>Veterinary Dermatology</i> , 2022, 33, 227.	0.4	6
85	Recurrent tumor and treatment-induced effects have different MR signatures in contrast enhancing and non-enhancing lesions of high-grade gliomas. <i>Neuro-Oncology</i> , 2020, 22, 1516-1526.	0.6	5
86	Germline polymorphisms in myeloid-associated genes are not associated with survival in glioma patients. <i>Journal of Neuro-Oncology</i> , 2018, 136, 33-39.	1.4	4
87	The Relationship Between Stimulation Current and Functional Site Localization During Brain Mapping. <i>Neurosurgery</i> , 2021, 88, 1043-1050.	0.6	4
88	Association of Diffusion and Anatomic Imaging Parameters with Survival for Patients with Newly Diagnosed Glioblastoma Participating in Two Different Clinical Trials. <i>Translational Oncology</i> , 2015, 8, 446-455.	1.7	3
89	Phase I cancer clinical trials. <i>Neuro-Oncology Practice</i> , 2017, 4, 67-72.	1.0	3
90	Relationship between 7T MR-angiography features of vascular injury and cognitive decline in young brain tumor patients treated with radiation therapy. <i>Journal of Neuro-Oncology</i> , 2021, 153, 143-152.	1.4	3

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91	Prognostic risk stratification of gliomas using deep learning in digital pathology images. <i>Neuro-Oncology Advances</i> , 2022, 4, .	0.4	3
92	New initiative for Neuro-Oncology Practice: statistics for the practicing clinician. <i>Neuro-Oncology Practice</i> , 2015, 2, 161-161.	1.0	2
93	Correlation of natural language assessment results with health-related quality of life in adult glioma patients. <i>Journal of Neurosurgery</i> , 2021, , 1-7.	0.9	2
94	A core of differentially methylated CpG loci in gMDSCs isolated from neonatal and adult sources. <i>Clinical Epigenetics</i> , 2022, 14, 27.	1.8	2
95	EGFR amplification status for clinical trial inclusion: where do we draw the line?. <i>Neuro-Oncology</i> , 2019, 21, 1215-1216.	0.6	1
96	External controls to improve on glioblastoma clinical trials. <i>Neuro-Oncology</i> , 2022, 24, 257-258.	0.6	1
97	Regression trees and ensembles for cumulative incidence functions. <i>International Journal of Biostatistics</i> , 2022, 18, 397-419.	0.4	1
98	Novel Aggregate Deletion/Substitution/Addition Learning Algorithms for Recursive Partitioning. <i>Journal of Computational and Graphical Statistics</i> , 2018, 27, 146-156.	0.9	0
99	Identification of a foetal epigenetic compartment in adult human kidney. <i>Epigenetics</i> , 2021, , 1-21.	1.3	0
100	TAMI-07. THE IMMUNE MICROENVIRONMENT IN LOWER GRADE GLIOMAS. <i>Neuro-Oncology</i> , 2020, 22, ii214-ii214.	0.6	0
101	Categorizing continuous biomarkers: More cons than pros. <i>Neuro-Oncology Practice</i> , 2022, 9, 81-82.	1.0	0