

Steven Brem

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

4,995
citations

361413

20
h-index

168389

53
g-index

68
all docs

68
docs citations

68
times ranked

7139
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Tumor-Treating Fields Plus Maintenance Temozolomide vs Maintenance Temozolomide Alone on Survival in Patients With Glioblastoma. <i>JAMA - Journal of the American Medical Association</i> , 2017, 318, 2306.	7.4	1,619
2	A single dose of peripherally infused EGFRvIII-directed CAR T cells mediates antigen loss and induces adaptive resistance in patients with recurrent glioblastoma. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	1,116
3	A Patient-Derived Glioblastoma Organoid Model and Biobank Recapitulates Inter- and Intra-tumoral Heterogeneity. <i>Cell</i> , 2020, 180, 188-204.e22.	28.9	529
4	First results on survival from a large Phase 3 clinical trial of an autologous dendritic cell vaccine in newly diagnosed glioblastoma. <i>Journal of Translational Medicine</i> , 2018, 16, 142.	4.4	376
5	Vascular niche IL-6 induces alternative macrophage activation in glioblastoma through HIF-2 β . <i>Nature Communications</i> , 2018, 9, 559.	12.8	176
6	PDGF-mediated mesenchymal transformation renders endothelial resistance to anti-VEGF treatment in glioblastoma. <i>Nature Communications</i> , 2018, 9, 3439.	12.8	95
7	Wnt-mediated endothelial transformation into mesenchymal stem cell-like cells induces chemoresistance in glioblastoma. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	86
8	Effect of Vocimagene Amiretrorepvec in Combination With Flucytosine vs Standard of Care on Survival Following Tumor Resection in Patients With Recurrent High-Grade Glioma. <i>JAMA Oncology</i> , 2020, 6, 1939.	7.1	84
9	Tractography and the connectome in neurosurgical treatment of gliomas: the premise, the progress, and the potential. <i>Neurosurgical Focus</i> , 2020, 48, E6.	2.3	84
10	Synergistic immunotherapy of glioblastoma by dual targeting of IL-6 and CD40. <i>Nature Communications</i> , 2021, 12, 3424.	12.8	74
11	Primary Cell Culture of Live Neurosurgically Resected Aged Adult Human Brain Cells and Single Cell Transcriptomics. <i>Cell Reports</i> , 2017, 18, 791-803.	6.4	60
12	Histopathology-validated machine learning radiographic biomarker for noninvasive discrimination between true progression and pseudo-progression in glioblastoma. <i>Cancer</i> , 2020, 126, 2625-2636.	4.1	60
13	Pervasive within-Mitochondrion Single-Nucleotide Variant Heteroplasmy as Revealed by Single-Mitochondrion Sequencing. <i>Cell Reports</i> , 2017, 21, 2706-2713.	6.4	48
14	Three-dimensional echo planar spectroscopic imaging for differentiation of true progression from pseudoprogression in patients with glioblastoma. <i>NMR in Biomedicine</i> , 2019, 32, e4042.	2.8	38
15	Initial evidence that blood-borne microvesicles are biomarkers for recurrence and survival in newly diagnosed glioblastoma patients. <i>Journal of Neuro-Oncology</i> , 2016, 127, 391-400.	2.9	36
16	Senescence-associated-gene signature identifies genes linked to age, prognosis, and progression of human gliomas. <i>Journal of Geriatric Oncology</i> , 2014, 5, 389-399.	1.0	35
17	Case Report: Prolonged Survival Following EGFRvIII CAR T Cell Treatment for Recurrent Glioblastoma. <i>Frontiers in Oncology</i> , 2021, 11, 669071.	2.8	34
18	Individualized Map of White Matter Pathways. <i>Neurosurgery</i> , 2016, 79, 568-577.	1.1	33

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19	Molecular Correlates of Long Survival in IDH-Wildtype Glioblastoma Cohorts. <i>Journal of Neuropathology and Experimental Neurology</i> , 2020, 79, 843-854.	1.7	32
20	Multiparametric magnetic resonance imaging in the assessment of anti-EGFRvIII chimeric antigen receptor T cell therapy in patients with recurrent glioblastoma. <i>British Journal of Cancer</i> , 2019, 120, 54-56.	6.4	27
21	Freewater estimator using interpolated initialization (FERNET): Characterizing peritumoral edema using clinically feasible diffusion MRI data. <i>PLoS ONE</i> , 2020, 15, e0233645.	2.5	24
22	Modified RANO, Immunotherapy RANO, and Standard RANO Response to Convection-Enhanced Delivery of IL4R-Targeted Immunotoxin MDNA55 in Recurrent Glioblastoma. <i>Clinical Cancer Research</i> , 2021, 27, 3916-3925.	7.0	24
23	Molecular Neuropathology in Practice: Clinical Profiling and Integrative Analysis of Molecular Alterations in Glioblastoma. <i>Academic Pathology</i> , 2019, 6, 2374289519848353.	1.1	21
24	Preservation of neurocognitive function and local control of 1 to 3 brain metastases treated with surgery and carmustine wafers. <i>Cancer</i> , 2013, 119, 3830-3838.	4.1	20
25	Factors Associated with Increased Survival after Surgical Resection of Glioblastoma in Octogenarians. <i>PLoS ONE</i> , 2015, 10, e0127202.	2.5	20
26	Clinical measures, radiomics, and genomics offer synergistic value in AI-based prediction of overall survival in patients with glioblastoma. <i>Scientific Reports</i> , 2022, 12, .	3.3	20
27	Near-Infrared Imaging with Second-Window Indocyanine Green in Newly Diagnosed High-Grade Gliomas Predicts Gadolinium Enhancement on Postoperative Magnetic Resonance Imaging. <i>Molecular Imaging and Biology</i> , 2020, 22, 1427-1437.	2.6	19
28	Second window ICG predicts gross-total resection and progression-free survival during brain metastasis surgery. <i>Journal of Neurosurgery</i> , 2021, 135, 1026-1035.	1.6	19
29	Assessment of early response to tumor-treating fields in newly diagnosed glioblastoma using physiologic and metabolic MRI: initial experience. <i>CNS Oncology</i> , 2016, 5, 137-144.	3.0	18
30	Differentiation of brain infection from necrotic glioblastoma using combined analysis of diffusion and perfusion MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 184-194.	3.4	17
31	Histopathologic quantification of viable tumor versus treatment effect in surgically resected recurrent glioblastoma. <i>Journal of Neuro-Oncology</i> , 2019, 141, 421-429.	2.9	15
32	Risk of intracranial hemorrhage with direct oral anticoagulants vs low molecular weight heparin in glioblastoma: A retrospective cohort study. <i>Neuro-Oncology</i> , 2022, 24, 2172-2179.	1.2	15
33	¹⁸ F-Fluciclovine PET to distinguish treatment-related effects from disease progression in recurrent glioblastoma: PET fusion with MRI guides neurosurgical sampling. <i>Neuro-Oncology Practice</i> , 2020, 7, 152-157.	1.6	14
34	Arterial Spin Labeling and Dynamic Susceptibility Contrast-enhanced MR Imaging for evaluation of arteriovenous shunting and tumor hypoxia in glioblastoma. <i>Scientific Reports</i> , 2019, 9, 8747.	3.3	10
35	Quantification of tumor microenvironment acidity in glioblastoma using principal component analysis of dynamic susceptibility contrast enhanced MR imaging. <i>Scientific Reports</i> , 2021, 11, 15011.	3.3	10
36	Intramuscular (IM) INO-5401 + INO-9012 with electroporation (EP) in combination with cemiplimab (REGN2810) in newly diagnosed glioblastoma.. <i>Journal of Clinical Oncology</i> , 2022, 40, 2004-2004.	1.6	10

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37	An Integrated Stress Response Agent that Modulates DR5-Dependent TRAIL Synergy Reduces Patient-Derived Glioma Stem Cell Viability. <i>Molecular Cancer Research</i> , 2019, 17, 1102-1114.	3.4	7
38	An additive score optimized by a genetic learning algorithm predicts readmission risk after glioblastoma resection. <i>Journal of Clinical Neuroscience</i> , 2020, 80, 1-5.	1.5	6
39	Enhanced Fiber Tractography Using Edema Correction: Application and Evaluation in High-Grade Gliomas. <i>Neurosurgery</i> , 2021, 89, 246-256.	1.1	6
40	Evaluating the Association Between the Extent of Resection and Survival in Gliosarcoma. <i>Cureus</i> , 2019, 11, e4374.	0.5	6
41	RNA-seq for identification of therapeutically targetable determinants of immune activation in human glioblastoma. <i>Journal of Neuro-Oncology</i> , 2019, 141, 95-102.	2.9	5
42	Multiparametric MRI assessment of response to convection-enhanced intratumoral delivery of MDNA55, an interleukin-4 receptor targeted immunotherapy, for recurrent glioblastoma. , 2021, 12, 337.		5
43	Second window indocyanine green localizes CNS lymphoma in real time in the operating room: report of two cases. <i>British Journal of Neurosurgery</i> , 2020, , 1-5.	0.8	4
44	Commentary: 5-Aminolevulinic Acid and Contrast-Enhanced Ultrasound: The Combination of the 2 Techniques to Optimize the Extent of Resection in Glioblastoma Surgery. <i>Neurosurgery</i> , 2020, 86, E541-E543.	1.1	3
45	Surface-Registration Frameless Stereotactic Navigation Is Less Accurate During Prone Surgeries: Intraoperative Near-Infrared Visualization Using Second Window Indocyanine Green Offers an Adjunct. <i>Molecular Imaging and Biology</i> , 2020, 22, 1572-1580.	2.6	3
46	NIMG-66. AI-BASED PROGNOSTIC IMAGING BIOMARKERS FOR PRECISION NEUROONCOLOGY AND THE RESPOND CONSORTIUM. <i>Neuro-Oncology</i> , 2020, 22, ii162-ii163.	1.2	3
47	NIMG-21. DIFFERENTIATING TUMOR TYPES BASED ON THE PERITUMORAL MICROENVIRONMENT USING CONVOLUTIONAL NEURAL NETWORKS. <i>Neuro-Oncology</i> , 2020, 22, ii151-ii151.	1.2	2
48	NIMG-45. DEEP LEARNING-BASED PERITUMORAL MICROSTRUCTURE MAPPING IN GLIOBLASTOMAS USING FREE WATER VOLUME FRACTION. <i>Neuro-Oncology</i> , 2020, 22, ii157-ii158.	1.2	2
49	Vessel morphometric parameters-correlation with histologic grade and VEGF expression in oligodendroglioma. <i>American Journal of Cancer Research</i> , 2017, 7, 973-981.	1.4	2
50	CTIM-13. CLINICAL EFFICACY OF MDNA55, AN INTERLEUKIN-4 RECEPTOR TARGETED IMMUNOTHERAPY, IN RECURRENT GBM DELIVERED BY CONVECTION ENHANCED DELIVERY (CED). <i>Neuro-Oncology</i> , 2020, 22, ii35-ii35.	1.2	2
51	Commentary: "Zooming in" on Glioblastoma: Understanding Tumor Heterogeneity and Its Clinical Implications in the Era of Single-Cell Ribonucleic Acid Sequencing. <i>Neurosurgery</i> , 2021, 89, E262-E263.	1.1	1
52	Use of targeted next generation sequencing (NGS) to assess mutational load in glioblastoma (GBM).. <i>Journal of Clinical Oncology</i> , 2017, 35, 2027-2027.	1.6	1
53	Recurrent neurenteric cysts compressing the brainstem. , 2019, 10, 245.		1
54	Risk of intracranial hemorrhage with direct oral anticoagulants versus low molecular weight heparin in glioblastoma: A retrospective cohort study.. <i>Journal of Clinical Oncology</i> , 2022, 40, 2015-2015.	1.6	1

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55	2137 Percentage of viable tumor Versus radiation treatment effect in surgical specimens is not associated with outcomes in recurrent glioblastoma. Journal of Clinical and Translational Science, 2018, 2, 45-45.	0.6	0
56	Commentary: The Role of Laser Interstitial Thermal Therapy in Surgical Neuro-Oncology: Series of 100 Consecutive Patients. Neurosurgery, 2020, 87, E101-E103.	1.1	0
57	Advanced magnetic resonance imaging and spectroscopy in a case of neurocysticercosis from North America. Neuroradiology Journal, 2021, , 197140092110268.	1.2	0
58	Abstract 2203: Identifying the transcriptomic signatures of mutational heterogeneity in GBM using single cell genomics. , 2021, , .		0
59	Withdrawn as duplicate: Commentary: "Zooming in" on Glioblastoma: Understanding Tumor Heterogeneity and its Clinical Implications in the Era of Single-Cell Ribonucleic Acid Sequencing. Neurosurgery, 2021, 89, E237-E238.	1.1	0
60	Recurrent Glioblastoma. , 2016, , 151-165.		0
61	NIMG-39. UTILITY OF PHYSIOLOGIC MR METRICS IN DISTINGUISHING TRUE-PROGRESSION FROM PSEUDOPROGRESSION IN GLIOBLASTOMAS STRATIFIED BY MGMT PROMOTER METHYLATION. Neuro-Oncology, 2020, 22, ii156-ii156.	1.2	0
62	IMMU-11. DUAL TARGETING OF IL-6 AND CD40 OVERCOMES GLIOBLASTOMA RESISTANCE TO IMMUNE CHECKPOINT BLOCKADE. Neuro-Oncology, 2020, 22, ii107-ii107.	1.2	0
63	NIMG-69. PERSONALIZED CONNECTOMIC SIGNATURES: BRIDGING THE GAP BETWEEN NEURO-ONCOLOGY AND CONNECTOMICS. Neuro-Oncology, 2020, 22, ii163-ii163.	1.2	0
64	Title is missing!. , 2020, 15, e0233645.		0
65	Title is missing!. , 2020, 15, e0233645.		0
66	Title is missing!. , 2020, 15, e0233645.		0
67	Title is missing!. , 2020, 15, e0233645.		0