Ganesh Rao

List of Publications by Year
in descending order

66 papers	6,702 citations	201674 27 h-index	133252 59 g-index
67 all docs	67 docs citations	67 times ranked	10424 citing authors

#	Article	IF	Citations
1	Molecular Profiling Reveals Biologically Discrete Subsets and Pathways of Progression in Diffuse Glioma. Cell, 2016, 164, 550-563.	28.9	1,695
2	Mesenchymal Differentiation Mediated by NF-Î¹B Promotes Radiation Resistance in Glioblastoma. Cancer Cell, 2013, 24, 331-346.	16.8	856
3	Post-operative stereotactic radiosurgery versus observation for completely resected brain metastases: a single-centre, randomised, controlled, phase 3 trial. Lancet Oncology, The, 2017, 18, 1040-1048.	10.7	537
4	Phase I Study of DNX-2401 (Delta-24-RGD) Oncolytic Adenovirus: Replication and Immunotherapeutic Effects in Recurrent Malignant Glioma. Journal of Clinical Oncology, 2018, 36, 1419-1427.	1.6	477
5	IDH1 mutant malignant astrocytomas are more amenable to surgical resection and have a survival benefit associated with maximal surgical resection. Neuro-Oncology, 2014, 16, 81-91.	1.2	370
6	Glioblastoma-infiltrated innate immune cells resemble M0 macrophage phenotype. JCI Insight, 2016, 1, .	5.0	356
7	The transcriptional coactivator TAZ regulates mesenchymal differentiation in malignant glioma. Genes and Development, 2011, 25, 2594-2609.	5.9	326
8	Epidemiology of Metastatic Brain Tumors. Neurosurgery Clinics of North America, 2011, 22, 1-6.	1.7	245
9	Symbiotic Macrophage-Glioma Cell Interactions Reveal Synthetic Lethality in PTEN-Null Glioma. Cancer Cell, 2019, 35, 868-884.e6.	16.8	202
10	IMPACT OF INTRAOPERATIVE HIGH-FIELD MAGNETIC RESONANCE IMAGING GUIDANCE ON GLIOMA SURGERY. Neurosurgery, 2009, 64, 1073-1081.	1.1	178
11	c-Myc Enhances Sonic Hedgehog-Induced Medulloblastoma Formation from Nestin-Expressing Neural Progenitors in Mice. Neoplasia, 2003, 5, 198-204.	5.3	115
12	Effect of miR-142-3p on the M2 Macrophage and Therapeutic Efficacy Against Murine Glioblastoma. Journal of the National Cancer Institute, 2014, 106, .	6.3	112
13	Neurocognitive function varies by IDH1 genetic mutation status in patients with malignant glioma prior to surgical resection. Neuro-Oncology, 2016, 18, 1656-1663.	1.2	110
14	Neurosurgical applications of MRI guided laser interstitial thermal therapy (LITT). Cancer Imaging, 2019, 19, 65.	2.8	105
15	Laser interstitial thermal therapy for newly diagnosed and recurrent glioblastoma. Neurosurgical Focus, 2016, 41, E12.	2.3	94
16	Signal transducer and activator of transcription 3 promotes angiogenesis and drives malignant progression in glioma. Neuro-Oncology, 2012, 14, 1136-1145.	1.2	73
17	FGL2 promotes tumor progression in the CNS by suppressing CD103+ dendritic cell differentiation. Nature Communications, 2019, 10, 448.	12.8	65
18	Antiâ€“PD-1 Induces M1 Polarization in the Glioma Microenvironment and Exerts Therapeutic Efficacy in the Absence of CD8 Cytotoxic T Cells. Clinical Cancer Research, 2020, 26, 4699-4712.	7.0	65

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19	Combined immunotherapy with controlled interleukin-12 gene therapy and immune checkpoint blockade in recurrent glioblastoma: An open-label, multi-institutional phase I trial. Neuro-Oncology, 2022, 24, 951-963.	1.2	44
20	Preoperative Imaging to Predict Intraoperative Changes in Tumor-to-Corticospinal Tract Distance. Neurosurgery, 2014, 75, 23-30.	1.1	38
21	Volumetric response of progressing post-SRS lesions treated with laser interstitial thermal therapy. Journal of Neuro-Oncology, 2018, 137, 57-65.	2.9	36
22	Glioblastoma multiforme: novel therapeutic targets. Expert Opinion on Therapeutic Targets, 2020, 24, 605-614.	3.4	36
23	THE ASSOCIATION OF BREAST CANCER AND MENINGIOMA IN MEN AND WOMEN. Neurosurgery, 2009, 65, 483-489.	1.1	32
24	The Role of Fibrinogen-Like Protein 2 on Immunosuppression and Malignant Progression in Glioma. Journal of the National Cancer Institute, 2019, 111, 292-300.	6.3	32
25	Identification of diverse tumor endothelial cell populations in malignant glioma. Neuro-Oncology, 2021, 23, 932-944.	1.2	32
26	Suppression of RAF/MEK or PI3K synergizes cytotoxicity of receptor tyrosine kinase inhibitors in glioma tumor-initiating cells. Journal of Translational Medicine, 2016, 14, 46.	4.4	31
27	Predictors of Local Control of Brain Metastasis Treated With Laser Interstitial Thermal Therapy. Neurosurgery, 2020, 87, 112-122.	1.1	30
28	Multidisciplinary patient-centered management of brain metastases and future directions. Neuro-Oncology Advances, 2020, 2, vdaa034.	0.7	30
29	Analysis of the inhibitors of apoptosis identifies BIRC3 as a facilitator of malignant progression in glioma. Oncotarget, 2017, 8, 12695-12704.	1.8	30
30	Fractionated stereotactic radiotherapy for local control of resected brain metastases. Journal of Neuro-Oncology, 2019, 144, 343-350.	2.9	25
31	Role of CX3CR1 signaling in malignant transformation of gliomas. Neuro-Oncology, 2020, 22, 1463-1473.	1.2	25
32	Utilization of Intraoperative Motor Mapping in Glioma Surgery with High-Field Intraoperative Magnetic Resonance Imaging. Stereotactic and Functional Neurosurgery, 2010, 88, 345-352.	1.5	24
33	Intraoperative MRI and Maximizing Extent of Resection. Neurosurgery Clinics of North America, 2017, 28, 477-485.	1.7	22
34	Prediction of 1p/19q Codeletion in Diffuse Glioma Patients Using Pre-operative Multiparametric Magnetic Resonance Imaging. Frontiers in Computational Neuroscience, 2019, 13, 52.	2.1	22
35	Laser Interstitial Thermal Therapy in the treatment of brain metastases and radiation necrosis. Cancer Letters, 2020, 489, 9-18.	7.2	19
36	Bclâ€2 promotes malignant progression in a PDGFâ€Bâ€dependent murine model of oligodendroglioma. International Journal of Cancer, 2011, 129, 2093-2103.	5.1	18

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37	Glioblastoma and acute myeloid leukemia: malignancies with striking similarities. Journal of Neuro-Oncology, 2018, 136, 223-231.	2.9	18
38	Somatic cell transfer of c-Myc and Bcl-2 induces large-cell anaplastic medulloblastomas in mice. Journal of Neuro-Oncology, 2016, 126, 415-424.	2.9	15
39	Laser Interstitial Thermal Therapy to the Posterior Fossa: Challenges and Nuances. World Neurosurgery, 2019, 132, e124-e132.	1.3	14
40	Efficacy of laser interstitial thermal therapy (LITT) for newly diagnosed and recurrent IDH wild-type glioblastoma. Neuro-Oncology Advances, 2022, 4, .	0.7	14
41	Laser Interstitial Thermal Therapy for Glioblastoma: A Single-Center Experience. World Neurosurgery, 2021, 149, e244-e252.	1.3	13
42	Signal transducer and activator of transcription 5b drives malignant progression in a <scp>PDGFB</scp>â€dependent proneural glioma model by suppressing apoptosis. International Journal of Cancer, 2015, 136, 2047-2054.	5.1	11
43	National Patterns of Care in the Management of World Health Organization Grade II and III Spinal Ependymomas. World Neurosurgery, 2019, 124, e580-e594.	1.3	11
44	The use of laser interstitial thermal therapy in the treatment of brain metastases: a literature review. International Journal of Hyperthermia, 2020, 37, 53-60.	2.5	11
45	Survivin transcript variant 2 drives angiogenesis and malignant progression in proneural gliomas. Neuro-Oncology, 2014, 16, 1220-1228.	1.2	10
46	A validated integrated clinical and molecular glioblastoma long-term survival-predictive nomogram. Neuro-Oncology Advances, 2021, 3, vdaa146.	0.7	10
47	Autism-Associated Vigilin Depletion Impairs DNA Damage Repair. Molecular and Cellular Biology, 2021, 41, e0008221.	2.3	8
48	Racial and Socioeconomic Disparities in Patients With Meningioma: A Retrospective Cohort Study. Neurosurgery, 2022, 90, 114-123.	1.1	8
49	Prolonged survival after laser interstitial thermal therapy in glioblastoma. , 2021, 12, 228.		7
50	Central nervous system immune interactome is a function of cancer lineage, tumor microenvironment, and STAT3 expression. JCI Insight, 2022, 7, .	5.0	7
51	Clinical characterization of adult medulloblastoma and the effect of first-line therapies on outcome; The MD Anderson Cancer Center experience. Neuro-Oncology Advances, 2021, 3, vdab079.	0.7	6
52	Sox9 directs divergent epigenomic states in brain tumor subtypes. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	6
53	Dynamic Contrast-Enhanced MRI in Patients with Brain Metastases Undergoing Laser Interstitial Thermal Therapy: A Pilot Study. American Journal of Neuroradiology, 2019, 40, 1451-1457.	2.4	5
54	POT1 Regulates Proliferation and Confers Sexual Dimorphism in Glioma. Cancer Research, 2021, 81, 2703-2713.	0.9	5

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55	Laser interstitial thermal therapy for newly diagnosed glioblastoma. Lasers in Medical Science, 2021, , 1.	2.1	4
56	Fibrinogen-like protein 2: a potential molecular target for glioblastoma treatment. Expert Opinion on Therapeutic Targets, 2019, 23, 647-649.	3.4	3
57	Temporal Change in Tumor Volume Following Stereotactic Radiosurgery to a Single Brain Metastasis. World Neurosurgery, 2020, 136, e328-e333.	1.3	3
58	Recurrent HGNET-MN1 altered (astroblastoma MN1-altered) of the foramen magnum: Case report and molecular classification. , 2022, 13, 139.		3
59	The history of neurosurgery at Baylor College of Medicine. Journal of Neurosurgery, 2021, , 1-11.	1.6	1
60	CX3CR1 and malignant progression of glioma. Aging, 2021, 13, 20856-20857.	3.1	1
61	Preface. Neurosurgery Clinics of North America, 2011, 22, xi.	1.7	0
62	Preface. Neurosurgery Clinics of North America, 2017, 28, xiii.	1.7	0
63	The Role of Surgery in the Management of Brain Metastases. , 2020, , 429-440.		0
64	Pediatric neurosurgery at Texas Childrenâ€™s Hospital: the legacy of Dr. William R. Cheek. Journal of Neurosurgery: Pediatrics, 2021, , 1-7.	1.3	0
65	CNTM-04. Alterations in structural connectomic properties associated with neurocognitive changes following glioma resection. Neuro-Oncology, 2021, 23, vi225-vi225.	1.2	0
66	LGG-47. Single-cell RNA Sequencing Reveals Immunosuppressive Myeloid Cell Diversity During Malignant Progression in Glioma. Neuro-Oncology, 2022, 24, i99-i99.	1.2	0