

# Gene H Barnett

## List of Publications by Year in descending order

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67  
papers

1,795  
citations

257450

24  
h-index

302126

39  
g-index

69  
all docs

69  
docs citations

69  
times ranked

2644  
citing authors

#	ARTICLE	IF	CITATIONS
1	Descriptive epidemiology of World Health Organization grades II and III intracranial meningiomas in the United States. <i>Neuro-Oncology</i> , 2015, 17, 1166-1173.	1.2	169
2	Antisense telomerase treatment: induction of two distinct pathways, apoptosis and differentiation. <i>FASEB Journal</i> , 1998, 12, 801-811.	0.5	166
3	Association Between Radiation Necrosis and Tumor Biology After Stereotactic Radiosurgery for Brain Metastasis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 96, 1060-1069.	0.8	109
4	Chromatin landscapes reveal developmentally encoded transcriptional states that define human glioblastoma. <i>Journal of Experimental Medicine</i> , 2019, 216, 1071-1090.	8.5	89
5	Laser interstitial thermal therapy in the management of brain metastasis and radiation necrosis after radiosurgery: An overview. <i>Expert Review of Neurotherapeutics</i> , 2016, 16, 223-232.	2.8	85
6	Risk Factors for Malignant Transformation of Low-Grade Glioma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 100, 965-971.	0.8	64
7	Overall survival and the response to radiotherapy among molecular subtypes of breast cancer brain metastases treated with targeted therapies. <i>Cancer</i> , 2017, 123, 2283-2293.	4.1	51
8	The role of image-guided technology in the surgical planning and resection of gliomas. , 1999, 42, 247-258.		44
9	Stereotactic radiosurgery with concurrent lapatinib is associated with improved local control for HER2-positive breast cancer brain metastases. <i>Journal of Neurosurgery</i> , 2020, 132, 503-511.	1.6	42
10	Malignant Transformation of Molecularly Classified Adult Low-Grade Glioma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 105, 1106-1112.	0.8	39
11	Thermal injury to corticospinal tracts and postoperative motor deficits after laser interstitial thermal therapy. <i>Neurosurgical Focus</i> , 2016, 41, E6.	2.3	38
12	Longitudinal experience with WHO Grade III (anaplastic) meningiomas at a single institution. <i>Journal of Neuro-Oncology</i> , 2017, 131, 555-563.	2.9	37
13	Metastatic seeding of the stereotactic biopsy tract in glioblastoma multiforme: case report and review of the literature. <i>Journal of Neuro-Oncology</i> , 2001, 55, 167-171.	2.9	34
14	Three or More Courses of Stereotactic Radiosurgery for Patients with Multiply Recurrent Brain Metastases. <i>Neurosurgery</i> , 2017, 80, 871-879.	1.1	33
15	Laser Interstitial Thermal Therapy for Posterior Fossa Lesions: An Initial Experience. <i>World Neurosurgery</i> , 2018, 117, e146-e153.	1.3	33
16	Presurgical serum albumin levels predict survival time from glioblastoma multiforme. <i>Journal of Neuro-Oncology</i> , 1999, 43, 35-41.	2.9	32
17	Percutaneous Treatments for Trigeminal Neuralgia. <i>Neurosurgery Clinics of North America</i> , 2014, 25, 751-762.	1.7	32
18	The value of using a brain laser interstitial thermal therapy (LITT) system in patients presenting with high grade gliomas where maximal safe resection may not be feasible. <i>Cost Effectiveness and Resource Allocation</i> , 2016, 14, 6.	1.5	32

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19	Stereotactic Radiosurgery for Brainstem Arteriovenous Malformations: A Multicenter Study. <i>Neurosurgery</i> , 2017, 81, 910-920.	1.1	32
20	Magnetic Resonance Thermometry and Laser Interstitial Thermal Therapy for Brain Tumors. <i>Neurosurgery Clinics of North America</i> , 2017, 28, 525-533.	1.7	32
21	Hypopituitarism after Gamma Knife radiosurgery for pituitary adenomas: a multicenter, international study. <i>Journal of Neurosurgery</i> , 2019, 131, 1188-1196.	1.6	31
22	The Meningioma Enhancer Landscape Delineates Novel Subgroups and Drives Druggable Dependencies. <i>Cancer Discovery</i> , 2020, 10, 1722-1741.	9.4	30
23	Lessons Learned in Using Laser Interstitial Thermal Therapy for Treatment of Brain Tumors: A Case Series of 238 Patients from a Single Institution. <i>World Neurosurgery</i> , 2020, 139, e345-e354.	1.3	29
24	Trigeminal Neuralgia Treated With Stereotactic Radiosurgery: The Effect of Dose Escalation on Pain Control and Treatment Outcomes. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 96, 142-148.	0.8	27
25	Radiosurgery for Pediatric Brain Tumors. <i>Pediatric Blood and Cancer</i> , 2016, 63, 398-405.	1.5	27
26	Intracranial hemorrhage in setting of glioblastoma with venous thromboembolism. <i>Neuro-Oncology Practice</i> , 2016, 3, 87-96.	1.6	26
27	Impact of EGFR mutation and ALK rearrangement on the outcomes of non-small cell lung cancer patients with brain metastasis. <i>Neuro-Oncology</i> , 2020, 22, 267-277.	1.2	22
28	Preclinical Modeling of Surgery and Steroid Therapy for Glioblastoma Reveals Changes in Immunophenotype that are Associated with Tumor Growth and Outcome. <i>Clinical Cancer Research</i> , 2021, 27, 2038-2049.	7.0	22
29	Outcomes and prognostic stratification of patients with recurrent glioblastoma treated with salvage stereotactic radiosurgery. <i>Journal of Neurosurgery</i> , 2019, 131, 489-499.	1.6	22
30	A novel combination of two minimally invasive surgical techniques in the management of refractory radiation necrosis: Technical note. <i>Journal of Clinical Neuroscience</i> , 2017, 35, 117-121.	1.5	21
31	Treatment of Large Brain Metastases With Stereotactic Radiosurgery. <i>Technology in Cancer Research and Treatment</i> , 2016, 15, 186-195.	1.9	20
32	The impact of tumor biology on survival and response to radiation therapy among patients with non-small cell lung cancer brain metastases. <i>Practical Radiation Oncology</i> , 2017, 7, e263-e273.	2.1	20
33	Phase I Trial of Radiosurgery Dose Escalation Plus Bevacizumab in Patients With Recurrent/Progressive Glioblastoma. <i>Neurosurgery</i> , 2018, 83, 385-392.	1.1	20
34	Early versus late arteriovenous malformation responders after stereotactic radiosurgery: an international multicenter study. <i>Journal of Neurosurgery</i> , 2017, 127, 503-511.	1.6	19
35	Minimally invasive management of adult craniopharyngiomas: An analysis of our series and review of literature. <i>Journal of Neurosurgery</i> , 2013, 4, 411.		17
36	Long-Term Outcome Following Stereotactic Radiosurgery for Glomus Jugulare Tumors: A Single Institution Experience of 20 Years. <i>Neurosurgery</i> , 2018, 83, 1007-1014.	1.1	17

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37	Laser Ablation vs Open Resection for Deep-Seated Tumors. <i>Neurosurgery</i> , 2016, 63, 15-26.	1.1	16
38	First follow-up radiographic response is one of the predictors of local tumor progression and radiation necrosis after stereotactic radiosurgery for brain metastases. <i>Cancer Medicine</i> , 2017, 6, 2076-2086.	2.8	16
39	The Prognostic Role of Tumor Volume in the Outcome of Patients with Single Brain Metastasis After Stereotactic Radiosurgery. <i>World Neurosurgery</i> , 2017, 104, 229-238.	1.3	15
40	Stereotactic radiosurgery for cerebellar arteriovenous malformations: an international multicenter study. <i>Journal of Neurosurgery</i> , 2017, 127, 512-521.	1.6	15
41	Stereotactic Radiosurgery for Trigeminal Neuralgia Improves Patient-Reported Quality of Life and Reduces Depression. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 98, 1078-1086.	0.8	12
42	Cumulative Intracranial Tumor Volume and Number of Brain Metastasis as Predictors of Developing New Lesions After Stereotactic Radiosurgery for Brain Metastasis. <i>World Neurosurgery</i> , 2017, 106, 666-675.	1.3	12
43	Laser interstitial thermal therapy as a novel treatment modality for brain tumors in the thalamus and basal ganglia. <i>Photonics &amp; Lasers in Medicine</i> , 2014, 3, .	0.2	11
44	International Differences in Treatment and Clinical Outcomes for High Grade Glioma. <i>PLoS ONE</i> , 2015, 10, e0129602.	2.5	11
45	Gamma Knife radiosurgery for intracranial hemangioblastoma. <i>Journal of Clinical Neuroscience</i> , 2016, 31, 147-151.	1.5	11
46	Stereotactic radiosurgery for Koos grade IV vestibular schwannoma: a multi-institutional study. <i>Journal of Neurosurgery</i> , 2023, 138, 405-412.	1.6	10
47	Management of Brain Metastasis in Patients With Pulmonary Neuroendocrine Carcinomas. <i>Technology in Cancer Research and Treatment</i> , 2016, 15, 566-572.	1.9	9
48	Prognostic factors of overall survival after laser interstitial thermal therapy in patients with glioblastoma. <i>Photonics &amp; Lasers in Medicine</i> , 2014, 3, .	0.2	8
49	Correlation of higher levels of soluble TNF-R1 with a shorter survival, independent of age, in recurrent glioblastoma. <i>Journal of Neuro-Oncology</i> , 2017, 131, 449-458.	2.9	8
50	Laser interstitial thermal therapy for an eloquent region supratentorial brain lesion. <i>Neurosurgical Focus</i> , 2018, 44, V4.	2.3	8
51	Correlation Between the Residual Tumor Volume, Extent of Tumor Resection, and O6-Methylguanine DNA Methyltransferase Status in Patients with Glioblastoma. <i>World Neurosurgery</i> , 2018, 116, e147-e161.	1.3	8
52	Validation of the Disease-Specific GPA for Patients With 1 to 3 Synchronous Brain Metastases in Newly Diagnosed NSCLC. <i>Clinical Lung Cancer</i> , 2018, 19, e141-e147.	2.6	8
53	Risk Factors for Progression Among Low-Grade Gliomas After Gross Total Resection and Initial Observation in the Molecular Era. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 104, 1099-1105.	0.8	8
54	Laser Interstitial Thermal Therapy for Posterior Fossa Lesions: A Systematic Review and Analysis of Multi-Institutional Outcomes. <i>Cancers</i> , 2022, 14, 456.	3.7	8

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55	Effect of Anatomic Segment Involvement on Stereotactic Radiosurgery for Facial Nerve Schwannomas: An International Multicenter Cohort Study. <i>Neurosurgery</i> , 2021, 88, E91-E98.	1.1	7
56	Peritumoral Brain Edema and Surgical Outcome in Secretory Meningiomas: A Matched-Cohort Analysis. <i>World Neurosurgery</i> , 2021, 145, e170-e176.	1.3	6
57	Image-guided surgery for meningioma. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2020, 170, 201-207.	1.8	5
58	Cognitive function after concurrent temozolomide-based chemoradiation therapy in low-grade gliomas. <i>Journal of Neuro-Oncology</i> , 2022, 158, 341-348.	2.9	5
59	National Trends and Factors Predicting Outcomes Following Laser Interstitial Thermal Therapy for Brain Lesions: Nationwide Inpatient Sample Analysis. <i>World Neurosurgery</i> , 2020, 139, e88-e97.	1.3	4
60	Role of stereotactic radiosurgery for multiple (>4) brain metastases. <i>Journal of Radiosurgery and SBRT</i> , 2011, 1, 31-40.	0.2	4
61	Stereotactic radiosurgery for IDH wild type glioblastoma: an international, multicenter study. <i>Journal of Neuro-Oncology</i> , 2021, 155, 343-351.	2.9	4
62	The effect of Gamma Knife radiosurgery on large posterior fossa metastases and the associated mass effect from peritumoral edema. <i>Journal of Neurosurgery</i> , 2021, 134, 466-474.	1.6	2
63	Quality of life following concurrent temozolomide-based chemoradiation therapy or observation in low-grade glioma. <i>Journal of Neuro-Oncology</i> , 2022, 156, 499-507.	2.9	1
64	Craniopharyngiomas. , 2006, , 705-711.		0
65	NCOG-03. COGNITIVE FUNCTION AND QUALITY OF LIFE AMONG LONG TERM SURVIVORS OF BRAIN METASTASES. <i>Neuro-Oncology</i> , 2016, 18, vi119-vi120.	1.2	0
66	BMET-16. REVISED GRADED PROGNOSTIC ASSESSMENT FOR NON-SMALL CELL LUNG CANCER (NSCLC) BRAIN METASTASES (BM) IN THE ERA OF MOLECULAR PROFILING. <i>Neuro-Oncology</i> , 2016, 18, vi29-vi29.	1.2	0
67	Quality of life after gamma knife radiosurgery for benign lesions: a prospective study. <i>Journal of Radiosurgery and SBRT</i> , 2012, 1, 281-286.	0.2	0