

Brad E Zacharia

List of Publications by Year in descending order

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Version: 2024-02-01

122
papers

4,656
citations

109321

35
h-index

110387

64
g-index

124
all docs

124
docs citations

124
times ranked

6681
citing authors

#	ARTICLE	IF	CITATIONS
1	Mental health disorders in newly diagnosed non-functional pituitary adenoma under initial observation: an observational cohort study using the nationwide MarketScan database. Pituitary, 2022, 25, 85-91.	2.9	2
2	Launching the Quality Outcomes Database Tumor Registry: rationale, development, and pilot data. Journal of Neurosurgery, 2022, 136, 369-378.	1.6	5
3	Stereotactic radiosurgery for prostate cancer cerebral metastases: an international multicenter study. Journal of Neurosurgery, 2022, 136, 1307-1313.	1.6	3
4	5-Aminolevulinic acid for enhanced surgical visualization of high-grade gliomas: a prospective, multicenter study. Journal of Neurosurgery, 2022, 136, 1525-1534.	1.6	16
5	Association of Low-Grade Glioma Diagnosis and Management Approach with Mental Health Disorders: A MarketScan Analysis 2005â€“2014. Cancers, 2022, 14, 1376.	3.7	10
6	Clinical application of a functional 3D ex vivo test to predict therapeutic response in patients with HGG: A progression-free survival analysis.. Journal of Clinical Oncology, 2022, 40, 2031-2031.	1.6	0
7	A Crowdsourced Consensus on Supratotal Resection Versus Gross Total Resection for Anatomically Distinct Primary Glioblastoma. Neurosurgery, 2021, 89, 712-719.	1.1	19
8	Stereotactic radiosurgery for treatment of radiation-induced meningiomas: a multiinstitutional study. Journal of Neurosurgery, 2021, 135, 862-870.	1.6	4
9	#Neurosurgery: A Temporal and Content Analysis of Academic Neurosurgery on Twitter. World Neurosurgery, 2021, 153, e481-e487.	1.3	4
10	BIOM-33. EV-ASSOCIATED IL13Ra2 AS A LIQUID BIOPSY BIOMARKER FOR GBM. Neuro-Oncology, 2021, 23, vi18-vi18.	1.2	0
11	TAMI-54. SEXUAL DIMORPHISM IN IRON ACQUISITION IN GLIOBLASTOMA. Neuro-Oncology, 2021, 23, vi209-vi209.	1.2	0
12	Mental Health Disorders Associated with Sinonasal and Skull Base Malignancies: A Large Cohort Study. Journal of Neurological Surgery, Part B: Skull Base, 2020, 81, 187-192.	0.8	3
13	Navigable Channel-Based Trans-Sulcal Resection of Third Ventricular Colloid Cysts: A Multicenter Retrospective Case Series and Review of the Literature. World Neurosurgery, 2020, 133, e702-e710.	1.3	5
14	Blood-Brain Barrier Disruption in Neuro-Oncology: Strategies, Failures, and Challenges to Overcome. Frontiers in Oncology, 2020, 10, 563840.	2.8	38
15	Management of Diffuse Low-Grade Glioma: The Renaissance of Robust Evidence. Frontiers in Oncology, 2020, 10, 575658.	2.8	4
16	Neutrophil-induced ferroptosis promotes tumor necrosis in glioblastoma progression. Nature Communications, 2020, 11, 5424.	12.8	212
17	Mental health disorders in patients with untreated meningiomas: an observational cohort study using the nationwide MarketScan database. Neuro-Oncology Practice, 2020, 7, 507-513.	1.6	9
18	Telemedicine for Outpatient Neurosurgical Oncology Care: Lessons Learned for the Future During the COVID-19 Pandemic. World Neurosurgery, 2020, 139, e859-e863.	1.3	48

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19	Evaluation of First-line Radiosurgery vs Whole-Brain Radiotherapy for Small Cell Lung Cancer Brain Metastases. JAMA Oncology, 2020, 6, 1028.	7.1	122
20	Calcifications of the Medial Choroid in the Velum Interpositum: An Unrecognized Site of Physiologic Calcifications Evident on Multidetector Computed Tomography. World Neurosurgery, 2020, 141, e160-e165.	1.3	0
21	Sexually dimorphic impact of the iron-regulating gene, HFE, on survival in glioblastoma. Neuro-Oncology Advances, 2020, 2, vdaa001.	0.7	2
22	Letter: Surgical Management of Brain Tumor Patients in the COVID-19 Era. Neurosurgery, 2020, 87, E197-E200.	1.1	20
23	Letter: COVID-19 Pandemic: Safety Precautions for Stereotactic Radiosurgery. Neurosurgery, 2020, 87, E201-E202.	1.1	9
24	SURG-21. A CROWDSOURCED CONSENSUS ON SUPRATOTAL RESECTION VERSUS GROSS TOTAL RESECTION FOR ANATOMICALLY DISTINCT PRIMARY GLIOBLASTOMA. Neuro-Oncology, 2020, 22, ii207-ii208.	1.2	0
25	CSIG-16. SEXUAL DIMORPHISM IN IRON ACQUISITION IN GLIOBLASTOMA. Neuro-Oncology, 2020, 22, ii31-ii31.	1.2	1
26	CTIM-02. TWO OUNCES OF PREVENTION: A SYSTEMATIC REVIEW AND META-ANALYSIS OF VEGF AND IMMUNE CHECK POINT INHIBITION FOR PRIMARY AND SECONDARY PREVENTION OF BRAIN METASTASES. Neuro-Oncology, 2020, 22, ii32-ii33.	1.2	0
27	TAMI-17. RELATIONSHIP BETWEEN IRON METABOLISM, IMMUNE CELL INFILTRATION AND SEX-BASED SURVIVAL DIFFERENCES IN GLIOMAS. Neuro-Oncology, 2020, 22, ii216-ii216.	1.2	0
28	TAMI-23. NEUTROPHIL-TRIGGERED FERROPTOSIS PROMOTES TUMOR NECROSIS IN GLIOBLASTOMA PROGRESSION. Neuro-Oncology, 2020, 22, ii218-ii218.	1.2	0
29	BIOM-32. HIGH AFFINITY FLUORESCENT NANOPARTICLES FOR DETECTION IL13R α 2-POSITIVE EXTRACELLULAR VESICLES AND CELLS. Neuro-Oncology, 2020, 22, ii8-ii8.	1.2	0
30	Exosomes and their implications in central nervous system tumor biology. Progress in Neurobiology, 2019, 172, 71-83.	5.7	26
31	Traumatic Orbital Apex Syndrome: An Uncommon Sequela of Facial Trauma. Ear, Nose and Throat Journal, 2019, 98, 609-612.	0.8	6
32	Dural Extranodal Marginal Zone Lymphoma in an XRCC2 Mutation Carrier. Journal of Neuropathology and Experimental Neurology, 2019, 78, 1174-1177.	1.7	2
33	Stroke among cancer patients. Nature Communications, 2019, 10, 5172.	12.8	125
34	Surgical management of juvenile nasopharyngeal angiofibroma. Operative Techniques in Otolaryngology - Head and Neck Surgery, 2019, 30, 22-29.	0.4	8
35	Association of Head and Neck Cancer With Mental Health Disorders in a Large Insurance Claims Database. JAMA Otolaryngology - Head and Neck Surgery, 2019, 145, 339.	2.2	24
36	Expanded Endoscopic Endonasal Resection of Retrochiasmatic Craniopharyngioma. Journal of Neurological Surgery, Part B: Skull Base, 2018, 79, S194-S195.	0.8	2

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37	The Role of Definitive Radiotherapy in Craniopharyngioma. American Journal of Clinical Oncology: Cancer Clinical Trials, 2018, 41, 807-812.	1.3	25
38	Role of cerebrospinal fluid (CSF) in the pathogenesis and treatment of patients with brain metastases.. Journal of Clinical Oncology, 2018, 36, e14006-e14006.	1.6	2
39	Exosomes impact survival to radiation exposure in cell line models of nervous system cancer. Oncotarget, 2018, 9, 36083-36101.	1.8	54
40	Defining Glioblastoma Resectability Through the Wisdom of the Crowd: A Proof-of-Principle Study. Neurosurgery, 2017, 80, 590-601.	1.1	34
41	HFE genotype affects exosome phenotype in cancer. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 1921-1928.	2.4	12
42	Interleukin-13 conjugated quantum dots for identification of glioma initiating cells and their extracellular vesicles. Acta Biomaterialia, 2017, 58, 205-213.	8.3	45
43	Prior malignancies in patients harboring glioblastoma: an institutional case-study of 2164 patients. Journal of Neuro-Oncology, 2017, 134, 245-251.	2.9	6
44	The Orbit as Seen Through Different Surgical Windows: Extensive Anatomosurgical Study. World Neurosurgery, 2017, 106, 1030-1046.	1.3	12
45	Incidence and risk factors for preoperative deep venous thrombosis in 314 consecutive patients undergoing surgery for spinal metastasis. Journal of Neurosurgery: Spine, 2017, 27, 189-197.	1.7	33
46	Endoscopic-Assisted Ommaya Reservoir Placement: Technical Note. Cureus, 2017, 9, e1490.	0.5	2
47	Vanishing Pituitary Macroadenoma: A Case Report. Cureus, 2016, 8, e838.	0.5	3
48	Making Milestones. Neurosurgery, 2016, 79, 492-498.	1.1	12
49	The use of custom 3D printed stereotactic frames for laser interstitial thermal ablation: technical note. Neurosurgical Focus, 2016, 41, E3.	2.3	17
50	Quality of Postoperative Venous Thromboembolism Prophylaxis in Neuro-oncologic Surgery. Neurosurgery, 2016, 80, 1.	1.1	13
51	Frailty in Geriatric Glioblastoma Patients: A Predictor of Operative Morbidity and Outcome. World Neurosurgery, 2016, 89, 362-367.	1.3	98
52	Endoscopic Endonasal Management of Craniopharyngioma. Otolaryngologic Clinics of North America, 2016, 49, 201-212.	1.1	23
53	Endoscopic Endonasal Management of Metastatic Lesions of the Anterior Skull Base: Case Series and Literature Review. World Neurosurgery, 2015, 84, 1267-1277.	1.3	18
54	Impact of Clinical Trials on Neurosurgical Practice: An Assessment of Case Volume. World Neurosurgery, 2015, 83, 431-437.	1.3	7

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55	The Safety of Surgery in Elderly Patients with Primary and Recurrent Glioblastoma. World Neurosurgery, 2015, 84, 913-919.	1.3	44
56	Diffusion of Neuroendoscopy: Guided by the Light. World Neurosurgery, 2015, 83, 752-753.	1.3	1
57	The role for adjuvant radiotherapy in the treatment of hemangiopericytoma: a Surveillance, Epidemiology, and End Results analysis. Journal of Neurosurgery, 2014, 120, 300-308.	1.6	54
58	Editorial: SEER insights. Journal of Neurosurgery, 2014, 120, 297-299.	1.6	14
59	Incidence, Cost, and Mortality Associated With Hospital-Acquired Conditions After Resection of Cranial Neoplasms. Neurosurgery, 2014, 74, 638-647.	1.1	29
60	High Response Rates and Prolonged Survival in Patients With Corticotroph Pituitary Tumors and Refractory Cushing Disease From Capecitabine and Temozolomide (CAPTEM). Neurosurgery, 2014, 74, E447-E455.	1.1	75
61	Smart wearable body sensors for patient self-assessment and monitoring. Archives of Public Health, 2014, 72, 28.	2.4	333
62	Variability in Outcome After Elective Cerebral Aneurysm Repair in High-Volume Academic Medical Centers. Stroke, 2014, 45, 1447-1452.	2.0	34
63	Metastatic epidural spinal cord compression among elderly patients with advanced prostate cancer. Supportive Care in Cancer, 2014, 22, 1549-1555.	2.2	5
64	The promise of wearable activity sensors to define patient recovery. Journal of Clinical Neuroscience, 2014, 21, 1089-1093.	1.5	85
65	Disparities in Access to Deep Brain Stimulation Surgery for Parkinson Disease. JAMA Neurology, 2014, 71, 291.	9.0	99
66	Response. Journal of Neurosurgery, 2014, 120, 298-9.	1.6	0
67	Unchanged safety outcomes in deep brain stimulation surgery for Parkinson disease despite a decentralization of care. Journal of Neurosurgery, 2013, 119, 1546-1555.	1.6	20
68	Decompressive hemicraniectomy without clot evacuation in dominant-sided intracerebral hemorrhage with ICP crisis. Neurosurgical Focus, 2013, 34, E4.	2.3	54
69	Volume-dependent effect of perihaematomal oedema on outcome for spontaneous intracerebral haemorrhages. Journal of Neurology, Neurosurgery and Psychiatry, 2013, 84, 488-493.	1.9	98
70	Inferior Short-term Safety Profile of Endoscopic Third Ventriculostomy Compared With Ventriculoperitoneal Shunt Placement for Idiopathic Normal-Pressure Hydrocephalus. Neurosurgery, 2013, 73, 951-961.	1.1	23
71	Incidence, treatment and survival of patients with craniopharyngioma in the surveillance, epidemiology and end results program. Neuro-Oncology, 2012, 14, 1070-1078.	1.2	141
72	Predictors of long-term shunt-dependent hydrocephalus in patients with intracerebral hemorrhage requiring emergency cerebrospinal fluid diversion. Neurosurgical Focus, 2012, 32, E5.	2.3	44

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73	Preconditioning reaches clinical practice in intracranial arterial stenosis. <i>Neurology</i> , 2012, 79, 1842-1843.	1.1	1
74	The Clinical Implications of Subarachnoid Hemorrhage Volume. <i>World Neurosurgery</i> , 2012, 77, 613-614.	1.3	1
75	Functional outcome prediction following intracerebral hemorrhage. <i>Journal of Clinical Neuroscience</i> , 2012, 19, 795-798.	1.5	17
76	Occlusive Hyperemia Versus Normal Perfusion Pressure Breakthrough after Treatment of Cranial Arteriovenous Malformations. <i>Neurosurgery Clinics of North America</i> , 2012, 23, 147-151.	1.7	25
77	Epidemiological trends in the neurological intensive care unit from 2000 to 2008. <i>Journal of Clinical Neuroscience</i> , 2012, 19, 1668-1672.	1.5	8
78	GM1485, a nonimmunosuppressive immunophilin ligand, promotes neurofunctional improvement and neural regeneration following stroke. <i>Journal of Neuroscience Research</i> , 2012, 90, 1413-1423.	2.9	2
79	The Molecular Mechanisms that Promote Edema After Intracerebral Hemorrhage. <i>Translational Stroke Research</i> , 2012, 3, 52-61.	4.2	38
80	Management of Ruptured Brain Arteriovenous Malformations. <i>Current Atherosclerosis Reports</i> , 2012, 14, 335-342.	4.8	43
81	The surgical management of chronic subdural hematoma. <i>Neurosurgical Review</i> , 2012, 35, 155-169.	2.4	371
82	Complement Inhibition Promotes Endogenous Neurogenesis and Sustained Anti-Inflammatory Neuroprotection following Reperfused Stroke. <i>PLoS ONE</i> , 2012, 7, e38664.	2.5	66
83	Stereotactic Biopsy Considerations for Pineal Tumors. <i>Neurosurgery Clinics of North America</i> , 2011, 22, 359-366.	1.7	20
84	The Neuroprotective Effect of Genetic Mannose-Binding Lectin Deficiency Is Not Sustained in the Subacute Phase of Stroke. <i>Translational Stroke Research</i> , 2011, 2, 588-599.	4.2	26
85	Gain-of-function polymorphisms of cystathionine β -synthase and delayed cerebral ischemia following aneurysmal subarachnoid hemorrhage. <i>Journal of Neurosurgery</i> , 2011, 115, 101-107.	1.6	20
86	Technological Advances in the Management of Unruptured Intracranial Aneurysms Fail to Improve Outcome in New York State. <i>Stroke</i> , 2011, 42, 2844-2849.	2.0	36
87	Intranasal Delivery of Caspase-9 Inhibitor Reduces Caspase-6-Dependent Axon/Neuron Loss and Improves Neurological Function after Stroke. <i>Journal of Neuroscience</i> , 2011, 31, 8894-8904.	3.6	84
88	Traumatic brain injury in pediatric patients: evidence for the effectiveness of decompressive surgery. <i>Neurosurgical Focus</i> , 2011, 31, E5.	2.3	27
89	A Phase I Clinical Trial of Tiopronin, a Putative Neuroprotective Agent, in Aneurysmal Subarachnoid Hemorrhage. <i>Neurosurgery</i> , 2010, 67, 182-186.	1.1	10
90	Exacerbation of Perihematomal Edema and Sterile Meningitis With Intraventricular Administration of Tissue Plasminogen Activator in Patients With Intracerebral Hemorrhage. <i>Neurosurgery</i> , 2010, 66, 648-655.	1.1	47

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91	Intracranial infectious aneurysms: a comprehensive review. <i>Neurosurgical Review</i> , 2010, 33, 37-46.	2.4	222
92	Genetic Determinants of Cerebral Vasospasm, Delayed Cerebral Ischemia, and Outcome after Aneurysmal Subarachnoid Hemorrhage. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 676-688.	4.3	36
93	Approaches to anterior and anterolateral foramen magnum lesions: A critical review. <i>Journal of Craniovertebral Junction and Spine</i> , 2010, 1, 86.	0.8	36
94	Impact of platelet transfusion on hematoma expansion in patients receiving antiplatelet agents before intracerebral hemorrhage. <i>Neurological Research</i> , 2010, 32, 706-710.	1.3	64
95	Epidemiology of Aneurysmal Subarachnoid Hemorrhage. <i>Neurosurgery Clinics of North America</i> , 2010, 21, 221-233.	1.7	206
96	The influence of race on outcome following subarachnoid hemorrhage. <i>Journal of Clinical Neuroscience</i> , 2010, 17, 34-37.	1.5	13
97	Renal Dysfunction as an Independent Predictor of Outcome After Aneurysmal Subarachnoid Hemorrhage. <i>Stroke</i> , 2009, 40, 2375-2381.	2.0	79
98	Complement Inhibition as a Proposed Neuroprotective Strategy following Cardiac Arrest. <i>Mediators of Inflammation</i> , 2009, 2009, 1-7.	3.0	9
99	Preoperative antiepileptic drug administration and the incidence of postoperative seizures following bur hole-treated chronic subdural hematoma. <i>Journal of Neurosurgery</i> , 2009, 111, 1257-1262.	1.6	54
100	C3a Receptor Antagonist Attenuates Brain Injury after Intracerebral Hemorrhage. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 98-107.	4.3	73
101	The complement cascade as a therapeutic target in intracerebral hemorrhage. <i>Experimental Neurology</i> , 2009, 219, 398-403.	4.1	106
102	Pharmacotherapy of cerebral ischemia. <i>Expert Opinion on Pharmacotherapy</i> , 2009, 10, 1895-1906.	1.8	14
103	A mouse model of intracerebral hemorrhage using autologous blood infusion. <i>Nature Protocols</i> , 2008, 3, 122-128.	12.0	133
104	Magnetic resonance imaging characteristics of pilomyxoid astrocytoma. <i>Neurological Research</i> , 2008, 30, 945-951.	1.3	30
105	CONTROVERSIES IN THE ENDOVASCULAR MANAGEMENT OF CEREBRAL VASOSPASM AFTER INTRACRANIAL ANEURYSM RUPTURE AND FUTURE DIRECTIONS FOR THERAPEUTIC APPROACHES. <i>Neurosurgery</i> , 2008, 62, 897-907.	1.1	33
106	CERVICAL SPINE DISEASE MAY RESULT IN A NEGATIVE LUMBAR SPINAL DRAINAGE TRIAL IN NORMAL PRESSURE HYDROCEPHALUS. <i>Operative Neurosurgery</i> , 2008, 63, E315.	0.8	3
107	CONTROVERSIES IN THE SURGICAL TREATMENT OF RUPTURED INTRACRANIAL ANEURYSMS. <i>Neurosurgery</i> , 2008, 62, 396-407.	1.1	60
108	Advances in vasospasm treatment and prevention. <i>Journal of the Neurological Sciences</i> , 2007, 261, 134-142.	0.6	50

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109	Internet-based Neuro-oncology Patient Recruitment. Neurosurgery, 2006, 58, 985-989.	1.1	2
110	Radiographic Characteristics Fail to Predict Clinical Course after Subdural Electrode Placement. Neurosurgery, 2006, 58, 120-125.	1.1	30
111	Critical Postcraniotomy Cerebrospinal Fluid Hypovolemia. Neurosurgery, 2006, 59, 284-290.	1.1	30
112	Astrocytoma with pilomyxoid features presenting in an adult. Neuropathology, 2006, 26, 89-93.	1.2	45
113	Pitfalls for the Pediatrician: Positional Molding or Craniosynostosis?. Pediatric Annals, 2006, 35, 365-375.	0.8	16
114	J. Lawrence Pool, M.D.: a pioneer in vascular neurosurgery. Neurosurgical Focus, 2006, 20, E2.	2.3	32
115	Aggressive Cranial Vault Decompression for Cranial Hyperostosis: Technical Case Report of Two Cases. Operative Neurosurgery, 2005, 57, E212-E212.	0.8	11
116	Herniation Secondary to Critical Postcraniotomy Cerebrospinal Fluid Hypovolemia. Neurosurgery, 2005, 57, 286-292.	1.1	81
117	Evaluation of ischemic stroke hybrid segmentation in a rat model of temporary middle cerebral artery occlusion using ground truth from histologic and MR data. , 2005, , .		2
118	Internet-Based Approach to Multi-Institutional Patient Recruitment in the Medico-Legal Age. Journal of Clinical Oncology, 2005, 23, 4471-4473.	1.6	0
119	Co-registration of radiographic and pathologic infarct territory in a non-human primate model of stroke. Neurological Research, 2005, 27, 634-637.	1.3	4
120	Toward Objective Quantification of Perfusion-weighted Computed Tomography in Subarachnoid Hemorrhage: Quantification of Symmetry and Automated Delineation of Vascular Territories1. Academic Radiology, 2005, 12, 874-887.	2.5	12
121	Ground truth for evaluation of ischemic stroke hybrid segmentation in a rat model of temporary middle cerebral artery occlusion. International Congress Series, 2005, 1281, 74-79.	0.2	2
122	Atopy, helminths, and cancer. Medical Hypotheses, 2003, 60, 1-5.	1.5	22