

# Brad E Zacharia

## List of Publications by Year in descending order

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122  
papers

4,656  
citations

109137

35  
h-index

110170

64  
g-index

124  
all docs

124  
docs citations

124  
times ranked

6681  
citing authors

#	ARTICLE	IF	CITATIONS
1	The surgical management of chronic subdural hematoma. <i>Neurosurgical Review</i> , 2012, 35, 155-169.	1.2	371
2	Smart wearable body sensors for patient self-assessment and monitoring. <i>Archives of Public Health</i> , 2014, 72, 28.	1.0	333
3	Intracranial infectious aneurysms: a comprehensive review. <i>Neurosurgical Review</i> , 2010, 33, 37-46.	1.2	222
4	Neutrophil-induced ferroptosis promotes tumor necrosis in glioblastoma progression. <i>Nature Communications</i> , 2020, 11, 5424.	5.8	212
5	Epidemiology of Aneurysmal Subarachnoid Hemorrhage. <i>Neurosurgery Clinics of North America</i> , 2010, 21, 221-233.	0.8	206
6	Incidence, treatment and survival of patients with craniopharyngioma in the surveillance, epidemiology and end results program. <i>Neuro-Oncology</i> , 2012, 14, 1070-1078.	0.6	141
7	A mouse model of intracerebral hemorrhage using autologous blood infusion. <i>Nature Protocols</i> , 2008, 3, 122-128.	5.5	133
8	Stroke among cancer patients. <i>Nature Communications</i> , 2019, 10, 5172.	5.8	125
9	Evaluation of First-line Radiosurgery vs Whole-Brain Radiotherapy for Small Cell Lung Cancer Brain Metastases. <i>JAMA Oncology</i> , 2020, 6, 1028.	3.4	122
10	The complement cascade as a therapeutic target in intracerebral hemorrhage. <i>Experimental Neurology</i> , 2009, 219, 398-403.	2.0	106
11	Disparities in Access to Deep Brain Stimulation Surgery for Parkinson Disease. <i>JAMA Neurology</i> , 2014, 71, 291.	4.5	99
12	Volume-dependent effect of perihematoma oedema on outcome for spontaneous intracerebral haemorrhages. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013, 84, 488-493.	0.9	98
13	Frailty in Geriatric Glioblastoma Patients: A Predictor of Operative Morbidity and Outcome. <i>World Neurosurgery</i> , 2016, 89, 362-367.	0.7	98
14	The promise of wearable activity sensors to define patient recovery. <i>Journal of Clinical Neuroscience</i> , 2014, 21, 1089-1093.	0.8	85
15	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.	1.7	84
16	Herniation Secondary to Critical Postcraniotomy Cerebrospinal Fluid Hypovolemia. <i>Neurosurgery</i> , 2005, 57, 286-292.	0.6	81
17	Renal Dysfunction as an Independent Predictor of Outcome After Aneurysmal Subarachnoid Hemorrhage. <i>Stroke</i> , 2009, 40, 2375-2381.	1.0	79
18	High Response Rates and Prolonged Survival in Patients With Corticotroph Pituitary Tumors and Refractory Cushing Disease From Capecitabine and Temozolomide (CAPTEM). <i>Neurosurgery</i> , 2014, 74, E447-E455.	0.6	75

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19	C3a Receptor Antagonist Attenuates Brain Injury after Intracerebral Hemorrhage. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 98-107.	2.4	73
20	Complement Inhibition Promotes Endogenous Neurogenesis and Sustained Anti-Inflammatory Neuroprotection following Reperfused Stroke. <i>PLoS ONE</i> , 2012, 7, e38664.	1.1	66
21	Impact of platelet transfusion on hematoma expansion in patients receiving antiplatelet agents before intracerebral hemorrhage. <i>Neurological Research</i> , 2010, 32, 706-710.	0.6	64
22	CONTROVERSIES IN THE SURGICAL TREATMENT OF RUPTURED INTRACRANIAL ANEURYSMS. <i>Neurosurgery</i> , 2008, 62, 396-407.	0.6	60
23	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.	0.9	54
24	Decompressive hemicraniectomy without clot evacuation in dominant-sided intracerebral hemorrhage with ICP crisis. <i>Neurosurgical Focus</i> , 2013, 34, E4.	1.0	54
25	The role for adjuvant radiotherapy in the treatment of hemangiopericytoma: a Surveillance, Epidemiology, and End Results analysis. <i>Journal of Neurosurgery</i> , 2014, 120, 300-308.	0.9	54
26	Exosomes impact survival to radiation exposure in cell line models of nervous system cancer. <i>Oncotarget</i> , 2018, 9, 36083-36101.	0.8	54
27	Advances in vasospasm treatment and prevention. <i>Journal of the Neurological Sciences</i> , 2007, 261, 134-142.	0.3	50
28	Telemedicine for Outpatient Neurosurgical Oncology Care: Lessons Learned for the Future During the COVID-19 Pandemic. <i>World Neurosurgery</i> , 2020, 139, e859-e863.	0.7	48
29	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.	0.6	47
30	Astrocytoma with pilomyxoid features presenting in an adult. <i>Neuropathology</i> , 2006, 26, 89-93.	0.7	45
31	Interleukin-13 conjugated quantum dots for identification of glioma initiating cells and their extracellular vesicles. <i>Acta Biomaterialia</i> , 2017, 58, 205-213.	4.1	45
32	Predictors of long-term shunt-dependent hydrocephalus in patients with intracerebral hemorrhage requiring emergency cerebrospinal fluid diversion. <i>Neurosurgical Focus</i> , 2012, 32, E5.	1.0	44
33	The Safety of Surgery in Elderly Patients with Primary and Recurrent Glioblastoma. <i>World Neurosurgery</i> , 2015, 84, 913-919.	0.7	44
34	Management of Ruptured Brain Arteriovenous Malformations. <i>Current Atherosclerosis Reports</i> , 2012, 14, 335-342.	2.0	43
35	The Molecular Mechanisms that Promote Edema After Intracerebral Hemorrhage. <i>Translational Stroke Research</i> , 2012, 3, 52-61.	2.3	38
36	Blood-Brain Barrier Disruption in Neuro-Oncology: Strategies, Failures, and Challenges to Overcome. <i>Frontiers in Oncology</i> , 2020, 10, 563840.	1.3	38

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37	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.	2.4	36
38	Approaches to anterior and anterolateral foramen magnum lesions: A critical review. <i>Journal of Craniovertebral Junction and Spine</i> , 2010, 1, 86.	0.4	36
39	Technological Advances in the Management of Unruptured Intracranial Aneurysms Fail to Improve Outcome in New York State. <i>Stroke</i> , 2011, 42, 2844-2849.	1.0	36
40	Variability in Outcome After Elective Cerebral Aneurysm Repair in High-Volume Academic Medical Centers. <i>Stroke</i> , 2014, 45, 1447-1452.	1.0	34
41	Defining Glioblastoma Resectability Through the Wisdom of the Crowd: A Proof-of-Principle Study. <i>Neurosurgery</i> , 2017, 80, 590-601.	0.6	34
42	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.	0.6	33
43	Incidence and risk factors for preoperative deep venous thrombosis in 314 consecutive patients undergoing surgery for spinal metastasis. <i>Journal of Neurosurgery: Spine</i> , 2017, 27, 189-197.	0.9	33
44	J. Lawrence Pool, M.D.: a pioneer in vascular neurosurgery. <i>Neurosurgical Focus</i> , 2006, 20, E2.	1.0	32
45	Radiographic Characteristics Fail to Predict Clinical Course after Subdural Electrode Placement. <i>Neurosurgery</i> , 2006, 58, 120-125.	0.6	30
46	Critical Postcraniotomy Cerebrospinal Fluid Hypovolemia. <i>Neurosurgery</i> , 2006, 59, 284-290.	0.6	30
47	Magnetic resonance imaging characteristics of pilomyxoid astrocytoma. <i>Neurological Research</i> , 2008, 30, 945-951.	0.6	30
48	Incidence, Cost, and Mortality Associated With Hospital-Acquired Conditions After Resection of Cranial Neoplasms. <i>Neurosurgery</i> , 2014, 74, 638-647.	0.6	29
49	Traumatic brain injury in pediatric patients: evidence for the effectiveness of decompressive surgery. <i>Neurosurgical Focus</i> , 2011, 31, E5.	1.0	27
50	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.	2.3	26
51	Exosomes and their implications in central nervous system tumor biology. <i>Progress in Neurobiology</i> , 2019, 172, 71-83.	2.8	26
52	Occlusive Hyperemia Versus Normal Perfusion Pressure Breakthrough after Treatment of Cranial Arteriovenous Malformations. <i>Neurosurgery Clinics of North America</i> , 2012, 23, 147-151.	0.8	25
53	The Role of Definitive Radiotherapy in Craniopharyngioma. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , 2018, 41, 807-812.	0.6	25
54	Association of Head and Neck Cancer With Mental Health Disorders in a Large Insurance Claims Database. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2019, 145, 339.	1.2	24

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55	Inferior Short-term Safety Profile of Endoscopic Third Ventriculostomy Compared With Ventriculoperitoneal Shunt Placement for Idiopathic Normal-Pressure Hydrocephalus. <i>Neurosurgery</i> , 2013, 73, 951-961.	0.6	23
56	Endoscopic Endonasal Management of Craniopharyngioma. <i>Otolaryngologic Clinics of North America</i> , 2016, 49, 201-212.	0.5	23
57	Atopy, helminths, and cancer. <i>Medical Hypotheses</i> , 2003, 60, 1-5.	0.8	22
58	Stereotactic Biopsy Considerations for Pineal Tumors. <i>Neurosurgery Clinics of North America</i> , 2011, 22, 359-366.	0.8	20
59	Gain-of-function polymorphisms of cystathionine $\beta$ -synthase and delayed cerebral ischemia following aneurysmal subarachnoid hemorrhage. <i>Journal of Neurosurgery</i> , 2011, 115, 101-107.	0.9	20
60	Unchanged safety outcomes in deep brain stimulation surgery for Parkinson disease despite a decentralization of care. <i>Journal of Neurosurgery</i> , 2013, 119, 1546-1555.	0.9	20
61	Letter: Surgical Management of Brain Tumor Patients in the COVID-19 Era. <i>Neurosurgery</i> , 2020, 87, E197-E200.	0.6	20
62	A Crowdsourced Consensus on Supratotal Resection Versus Gross Total Resection for Anatomically Distinct Primary Glioblastoma. <i>Neurosurgery</i> , 2021, 89, 712-719.	0.6	19
63	Endoscopic Endonasal Management of Metastatic Lesions of the Anterior Skull Base: Case Series and Literature Review. <i>World Neurosurgery</i> , 2015, 84, 1267-1277.	0.7	18
64	Functional outcome prediction following intracerebral hemorrhage. <i>Journal of Clinical Neuroscience</i> , 2012, 19, 795-798.	0.8	17
65	The use of custom 3D printed stereotactic frames for laser interstitial thermal ablation: technical note. <i>Neurosurgical Focus</i> , 2016, 41, E3.	1.0	17
66	Pitfalls for the Pediatrician: Positional Molding or Craniosynostosis?. <i>Pediatric Annals</i> , 2006, 35, 365-375.	0.3	16
67	5-Aminolevulinic acid for enhanced surgical visualization of high-grade gliomas: a prospective, multicenter study. <i>Journal of Neurosurgery</i> , 2022, 136, 1525-1534.	0.9	16
68	Pharmacotherapy of cerebral ischemia. <i>Expert Opinion on Pharmacotherapy</i> , 2009, 10, 1895-1906.	0.9	14
69	Editorial: SEER insights. <i>Journal of Neurosurgery</i> , 2014, 120, 297-299.	0.9	14
70	The influence of race on outcome following subarachnoid hemorrhage. <i>Journal of Clinical Neuroscience</i> , 2010, 17, 34-37.	0.8	13
71	Quality of Postoperative Venous Thromboembolism Prophylaxis in Neuro-oncologic Surgery. <i>Neurosurgery</i> , 2016, 80, 1.	0.6	13
72	Toward Objective Quantification of Perfusion-weighted Computed Tomography in Subarachnoid Hemorrhage: Quantification of Symmetry and Automated Delineation of Vascular Territories1. <i>Academic Radiology</i> , 2005, 12, 874-887.	1.3	12

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73	Making Milestones. <i>Neurosurgery</i> , 2016, 79, 492-498.	0.6	12
74	HFE genotype affects exosome phenotype in cancer. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1921-1928.	1.1	12
75	The Orbit as Seen Through Different Surgical Windows: Extensive Anatomosurgical Study. <i>World Neurosurgery</i> , 2017, 106, 1030-1046.	0.7	12
76	Aggressive Cranial Vault Decompression for Cranial Hyperostosis: Technical Case Report of Two Cases. <i>Operative Neurosurgery</i> , 2005, 57, E212-E212.	0.4	11
77	A Phase I Clinical Trial of Tiopronin, a Putative Neuroprotective Agent, in Aneurysmal Subarachnoid Hemorrhage. <i>Neurosurgery</i> , 2010, 67, 182-186.	0.6	10
78	Association of Low-Grade Glioma Diagnosis and Management Approach with Mental Health Disorders: A MarketScan Analysis 2005â€“2014. <i>Cancers</i> , 2022, 14, 1376.	1.7	10
79	Complement Inhibition as a Proposed Neuroprotective Strategy following Cardiac Arrest. <i>Mediators of Inflammation</i> , 2009, 2009, 1-7.	1.4	9
80	Mental health disorders in patients with untreated meningiomas: an observational cohort study using the nationwide MarketScan database. <i>Neuro-Oncology Practice</i> , 2020, 7, 507-513.	1.0	9
81	Letter: COVID-19 Pandemic: Safety Precautions for Stereotactic Radiosurgery. <i>Neurosurgery</i> , 2020, 87, E201-E202.	0.6	9
82	Epidemiological trends in the neurological intensive care unit from 2000 to 2008. <i>Journal of Clinical Neuroscience</i> , 2012, 19, 1668-1672.	0.8	8
83	Surgical management of juvenile nasopharyngeal angiofibroma. <i>Operative Techniques in Otolaryngology - Head and Neck Surgery</i> , 2019, 30, 22-29.	0.1	8
84	Impact of Clinical Trials on Neurosurgical Practice: An Assessment of Case Volume. <i>World Neurosurgery</i> , 2015, 83, 431-437.	0.7	7
85	Prior malignancies in patients harboring glioblastoma: an institutional case-study of 2164 patients. <i>Journal of Neuro-Oncology</i> , 2017, 134, 245-251.	1.4	6
86	Traumatic Orbital Apex Syndrome: An Uncommon Sequela of Facial Trauma. <i>Ear, Nose and Throat Journal</i> , 2019, 98, 609-612.	0.4	6
87	Metastatic epidural spinal cord compression among elderly patients with advanced prostate cancer. <i>Supportive Care in Cancer</i> , 2014, 22, 1549-1555.	1.0	5
88	Navigable Channel-Based Trans-Sulcal Resection of Third Ventricular Colloid Cysts: A Multicenter Retrospective Case Series and Review of the Literature. <i>World Neurosurgery</i> , 2020, 133, e702-e710.	0.7	5
89	Launching the Quality Outcomes Database Tumor Registry: rationale, development, and pilot data. <i>Journal of Neurosurgery</i> , 2022, 136, 369-378.	0.9	5
90	Co-registration of radiographic and pathologic infarct territory in a non-human primate model of stroke. <i>Neurological Research</i> , 2005, 27, 634-637.	0.6	4

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91	Management of Diffuse Low-Grade Glioma: The Renaissance of Robust Evidence. <i>Frontiers in Oncology</i> , 2020, 10, 575658.	1.3	4
92	Stereotactic radiosurgery for treatment of radiation-induced meningiomas: a multiinstitutional study. <i>Journal of Neurosurgery</i> , 2021, 135, 862-870.	0.9	4
93	#Neurosurgery: A Temporal and Content Analysis of Academic Neurosurgery on Twitter. <i>World Neurosurgery</i> , 2021, 153, e481-e487.	0.7	4
94	CERVICAL SPINE DISEASE MAY RESULT IN A NEGATIVE LUMBAR SPINAL DRAINAGE TRIAL IN NORMAL PRESSURE HYDROCEPHALUS. <i>Operative Neurosurgery</i> , 2008, 63, E315.	0.4	3
95	Vanishing Pituitary Macroadenoma: A Case Report. <i>Cureus</i> , 2016, 8, e838.	0.2	3
96	Mental Health Disorders Associated with Sinonasal and Skull Base Malignancies: A Large Cohort Study. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2020, 81, 187-192.	0.4	3
97	Stereotactic radiosurgery for prostate cancer cerebral metastases: an international multicenter study. <i>Journal of Neurosurgery</i> , 2022, 136, 1307-1313.	0.9	3
98	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
99	Ground truth for evaluation of ischemic stroke hybrid segmentation in a rat model of temporary middle cerebral artery occlusion. <i>International Congress Series</i> , 2005, 1281, 74-79.	0.2	2
100	Internet-based Neuro-oncology Patient Recruitment. <i>Neurosurgery</i> , 2006, 58, 985-989.	0.6	2
101	GM1485, a nonimmunosuppressive immunophilin ligand, promotes neurofunctional improvement and neural regeneration following stroke. <i>Journal of Neuroscience Research</i> , 2012, 90, 1413-1423.	1.3	2
102	Expanded Endoscopic Endonasal Resection of Retrochiasmatic Craniopharyngioma. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2018, 79, S194-S195.	0.4	2
103	Dural Extranodal Marginal Zone Lymphoma in an XRCC2 Mutation Carrier. <i>Journal of Neuropathology and Experimental Neurology</i> , 2019, 78, 1174-1177.	0.9	2
104	Sexually dimorphic impact of the iron-regulating gene, HFE, on survival in glioblastoma. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa001.	0.4	2
105	Mental health disorders in newly diagnosed non-functional pituitary adenoma under initial observation: an observational cohort study using the nationwide MarketScan database. <i>Pituitary</i> , 2022, 25, 85-91.	1.6	2
106	Role of cerebrospinal fluid (CSF) in the pathogenesis and treatment of patients with brain metastases.. <i>Journal of Clinical Oncology</i> , 2018, 36, e14006-e14006.	0.8	2
107	Endoscopic-Assisted Ommaya Reservoir Placement: Technical Note. <i>Cureus</i> , 2017, 9, e1490.	0.2	2
108	Preconditioning reaches clinical practice in intracranial arterial stenosis. <i>Neurology</i> , 2012, 79, 1842-1843.	1.5	1

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109	The Clinical Implications of Subarachnoid Hemorrhage Volume. <i>World Neurosurgery</i> , 2012, 77, 613-614.	0.7	1
110	Diffusion of Neuroendoscopy: Guided by the Light. <i>World Neurosurgery</i> , 2015, 83, 752-753.	0.7	1
111	CSIG-16. SEXUAL DIMORPHISM IN IRON ACQUISITION IN GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2020, 22, ii31-ii31.	0.6	1
112	Internet-Based Approach to Multi-Institutional Patient Recruitment in the Medico-Legal Age. <i>Journal of Clinical Oncology</i> , 2005, 23, 4471-4473.	0.8	0
113	Calcifications of the Medial Choroid in the Velum Interpositum: An Unrecognized Site of Physiologic Calcifications Evident on Multidetector Computed Tomography. <i>World Neurosurgery</i> , 2020, 141, e160-e165.	0.7	0
114	BIOM-33. EV-ASSOCIATED IL13Ra2 AS A LIQUID BIOPSY BIOMARKER FOR GBM. <i>Neuro-Oncology</i> , 2021, 23, vi18-vi18.	0.6	0
115	TAMI-54. SEXUAL DIMORPHISM IN IRON ACQUISITION IN GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2021, 23, vi209-vi209.	0.6	0
116	SURG-21. A CROWDSOURCED CONSENSUS ON SUPRATOTAL RESECTION VERSUS GROSS TOTAL RESECTION FOR ANATOMICALLY DISTINCT PRIMARY GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2020, 22, ii207-ii208.	0.6	0
117	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. <i>Neuro-Oncology</i> , 2020, 22, ii32-ii33.	0.6	0
118	TAMI-17. RELATIONSHIP BETWEEN IRON METABOLISM, IMMUNE CELL INFILTRATION AND SEX-BASED SURVIVAL DIFFERENCES IN GLIOMAS. <i>Neuro-Oncology</i> , 2020, 22, ii216-ii216.	0.6	0
119	TAMI-23. NEUTROPHIL-TRIGGERED FERROPTOSIS PROMOTES TUMOR NECROSIS IN GLIOBLASTOMA PROGRESSION. <i>Neuro-Oncology</i> , 2020, 22, ii218-ii218.	0.6	0
120	BIOM-32. HIGH AFFINITY FLUORESCENT NANOPARTICLES FOR DETECTION IL13R $\alpha$ 2-POSITIVE EXTRACELLULAR VESICLES AND CELLS. <i>Neuro-Oncology</i> , 2020, 22, ii8-ii8.	0.6	0
121	Response. <i>Journal of Neurosurgery</i> , 2014, 120, 298-9.	0.9	0
122	Clinical application of a functional 3D ex vivo test to predict therapeutic response in patients with HGG: A progression-free survival analysis. <i>Journal of Clinical Oncology</i> , 2022, 40, 2031-2031.	0.8	0