Constantinos G Hadjipanayis

List of Publications by Year
in descending order

102 papers	4,394 citations	136950 32 h-index	110387 64 g-index
103 all docs	103 docs citations	103 times ranked	6254 citing authors

#	Article	IF	Citations
1	Exciting New Advances in Neuro-Oncology: The Avenue to a Cure for Malignant Glioma. Ca-A Cancer Journal for Clinicians, 2010, 60, 166-193.	329.8	1,182
2	Magnetic hyperthermia therapy for the treatment of glioblastoma: a review of the therapyâ€™s history, efficacy and application in humans. International Journal of Hyperthermia, 2018, 34, 1316-1328.	2.5	260
3	Predictors of outcome in surgically managed patients with typical and atypical trigeminal neuralgia: comparison of results following microvascular decompression. Journal of Neurosurgery, 2002, 96, 527-531.	1.6	215
4	5-ALA and FDA approval for glioma surgery. Journal of Neuro-Oncology, 2019, 141, 479-486.	2.9	204
5	5-aminolevulinic acid photodynamic therapy for the treatment of high-grade gliomas. Journal of Neuro-Oncology, 2019, 141, 595-607.	2.9	184
6	Phase I/randomized phase II study of afatinib, an irreversible ErbB family blocker, with or without protracted temozolomide in adults with recurrent glioblastoma. Neuro-Oncology, 2014, 17, 430-9.	1.2	108
7	Intracranial Rosaiâ€”Dorfman disease treated with microsurgical resection and stereotactic radiosurgery. Journal of Neurosurgery, 2003, 98, 165-168.	1.6	94
8	Whole-brain spectroscopic MRI biomarkers identify infiltrating margins in glioblastoma patients. Neuro-Oncology, 2016, 18, 1180-1189.	1.2	94
9	Human Brat Ortholog TRIM3 Is a Tumor Suppressor That Regulates Asymmetric Cell Division in Glioblastoma. Cancer Research, 2014, 74, 4536-4548.	0.9	90
10	Preoperative Risk Stratification in Spine Tumor Surgery. Spine, 2019, 44, E782-E787.	2.0	88
11	Stereotactic Radiosurgery for Motor Cortex Region Arteriovenous Malformations. Neurosurgery, 2001, 48, 70-77.	1.1	85
12	Stereotactic radiosurgery for pilocytic astrocytomas when multimodality therapy is necessary. Journal of Neurosurgery, 2002, 97, 56-64.	1.6	82
13	Factors impacting cerebrospinal fluid leak rates in endoscopic sellar surgery. International Forum of Allergy and Rhinology, 2016, 6, 1117-1125.	2.8	72
14	Spinal cord ependymoma: a review of the literature and case series of ten patients. Journal of Neuro-Oncology, 2016, 128, 377-386.	2.9	71
15	Intracranial control and radiographic changes with adjuvant radiation therapy for resected brain metastases: whole brain radiotherapy versus stereotactic radiosurgery alone. Journal of Neuro-Oncology, 2014, 120, 657-663.	2.9	67
16	Prophylactic antiepileptic drug administration following brain tumor resection: results of a recent AANS/CNS Section on Tumors survey. Journal of Neurosurgery, 2016, 126, 1772-1778.	1.6	64
17	The Use of the Exoscope in Lateral Skull Base Surgery: Advantages and Limitations. Otology and Neurotology, 2019, 40, 236-240.	1.3	62
18	Stereotactic Laser Interstitial Thermal Therapy for Recurrent High-Grade Gliomas. Neurosurgery, 2016, 79, S24-S34.	1.1	61

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19	Fluorescenceâ€guided surgery for highâ€grade gliomas. Journal of Surgical Oncology, 2018, 118, 356-361.	1.7	60
20	Established and emerging uses of 5-ALA in the brain: an overview. Journal of Neuro-Oncology, 2019, 141, 487-494.	2.9	60
21	Congress of Neurological Surgeons Systematic Review and Evidence-Based Guidelines on Surgical Resection for the Treatment of Patients With Vestibular Schwannomas. Neurosurgery, 2018, 82, E40-E43.	1.1	56
22	Congress of Neurological Surgeons Systematic Review and Evidence-Based Guidelines on the Role of Radiosurgery and Radiation Therapy in the Management of Patients With Vestibular Schwannomas. Neurosurgery, 2018, 82, E49-E51.	1.1	55
23	The Role of Radiosurgery for the Treatment of Pineal Parenchymal Tumors. Neurosurgery, 2002, 51, 880-889.	1.1	53
24	Hyperthermia treatment advances for brain tumors. International Journal of Hyperthermia, 2020, 37, 3-19.	2.5	50
25	Standardized intraoperative 5-ALA photodynamic therapy for newly diagnosed glioblastoma patients: a preliminary analysis of the INDYGO clinical trial. Journal of Neuro-Oncology, 2021, 152, 501-514.	2.9	47
26	Laser Ablation of Abnormal Neurological Tissue Using Robotic NeuroBlate System (LAANTERN): 12-Month Outcomes and Quality of Life After Brain Tumor Ablation. Neurosurgery, 2020, 87, E338-E346.	1.1	43
27	Congress of Neurological Surgeons Systematic Review and Evidence-Based Guidelines on Emerging Therapies for the Treatment of Patients With Vestibular Schwannomas. Neurosurgery, 2018, 82, E52-E54.	1.1	42
28	Review of clinical trials in intraoperative molecular imaging during cancer surgery. Journal of Biomedical Optics, 2019, 24, 1.	2.6	40
29	Fluorescence-Guided Surgery: A Review on Timing and Use in Brain Tumor Surgery. Frontiers in Neurology, 2021, 12, 682151.	2.4	39
30	Current knowledge on the immune microenvironment and emerging immunotherapies in diffuse midline glioma. EBioMedicine, 2021, 69, 103453.	6.1	37
31	Stereotactic Radiosurgery for Well-Circumscribed Fibrillary Grade II Astrocytomas: An Initial Experience. Stereotactic and Functional Neurosurgery, 2002, 79, 13-24.	1.5	35
32	Stereotactic Radiosurgery for CNS Nongerminomatous Germ Cell Tumors. Pediatric Neurosurgery, 2003, 38, 329-333.	0.7	35
33	Intraoperative Spectroscopy with Ultrahigh Sensitivity for Image-Guided Surgery of Malignant Brain Tumors. Analytical Chemistry, 2016, 88, 858-867.	6.5	34
34	Successful repair of intraoperative cerebrospinal fluid leaks improves outcomes in endoscopic skull base surgery. International Forum of Allergy and Rhinology, 2017, 7, 80-86.	2.8	34
35	Anti-invasive efficacy and survival benefit of the YAP-TEAD inhibitor verteporfin in preclinical glioblastoma models. Neuro-Oncology, 2022, 24, 694-707.	1.2	29
36	Convection-enhanced delivery of cetuximab conjugated iron-oxide nanoparticles for treatment of spontaneous canine intracranial gliomas. Journal of Neuro-Oncology, 2018, 137, 653-663.	2.9	28

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37	Non-routine discharge disposition is associated with post-discharge complications and 30-day readmissions following craniotomy for brain tumor resection. Journal of Neuro-Oncology, 2018, 136, 595-604.	2.9	28
38	Intraoperative molecular imaging clinical trials: a review of 2020 conference proceedings. Journal of Biomedical Optics, 2021, 26, .	2.6	28
39	Multiparametric MRI for early identification of therapeutic response in recurrent glioblastoma treated with immune checkpoint inhibitors. Neuro-Oncology, 2020, 22, 1658-1666.	1.2	27
40	5-Aminolevulinic Acid Guided Sampling of Glioblastoma Microenvironments Identifies Pro-Survival Signaling at Infiltrative Margins. Scientific Reports, 2017, 7, 15593.	3.3	25
41	Size and composition control of core-shell structured iron/iron-oxide nanoparticles. Journal of Applied Physics, 2010, 107, 09A333.	2.5	24
42	Neurosurgical management of brain and spine tumors in the COVID-19 era: an institutional experience from the epicenter of the pandemic. Journal of Neuro-Oncology, 2020, 148, 211-219.	2.9	24
43	Fluorescence-Guided High-Grade Glioma Surgery More Than Four Hours After 5-Aminolevulinic Acid Administration. Frontiers in Neurology, 2021, 12, 644804.	2.4	24
44	The Use of Spectroscopy Handheld Tools in Brain Tumor Surgery: Current Evidence and Techniques. Frontiers in Surgery, 2019, 6, 30.	1.4	21
45	5-ALA fluorescence-guided surgery of CNS tumors. Journal of Neuro-Oncology, 2019, 141, 477-478.	2.9	20
46	Malpractice Litigation in Brain Tumor Surgery: A 31-Year Analysis of Causative Factors in the United States from the Westlaw Database. World Neurosurgery, 2019, 122, e1570-e1577.	1.3	20
47	Intraoperative fluorescence diagnosis in the brain: a systematic review and suggestions for future standards on reporting diagnostic accuracy and clinical utility. Acta Neurochirurgica, 2019, 161, 2083-2098.	1.7	19
48	Postoperative outcomes following glioblastoma resection using a robot-assisted digital surgical exoscope: a case series. Journal of Neuro-Oncology, 2020, 148, 519-527.	2.9	19
49	Medical Student Publications in Neurosurgery: At Which U.S. Academic Institutions Do Medical Students Publish Most?. World Neurosurgery, 2021, 147, 181-189.e1.	1.3	19
50	Resident participation is not associated with postoperative adverse events, reoperation, or prolonged length of stay following craniotomy for brain tumor resection. Journal of Neuro-Oncology, 2017, 135, 613-619.	2.9	17
51	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
52	The Neurosurgeonâ€™s Armamentarium for Gliomas: An Update on Intraoperative Technologies to Improve Extent of Resection. Journal of Clinical Medicine, 2021, 10, 236.	2.4	14
53	A Systematic Pipeline for the Objective Comparison of Whole-Brain Spectroscopic MRI with Histology in Biopsy Specimens from Grade 3 Glioma. Tomography, 2016, 2, 106-116.	1.8	14
54	Adult Intramedullary Teratoma of the Spinal Cord: A Case Report and Review of Literature. World Neurosurgery, 2016, 87, 661.e23-661.e30.	1.3	13

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55	Clinical impact of intraoperative hyperlactatemia during craniotomy. PLoS ONE, 2019, 14, e0224016.	2.5	10
56	Fluorescence guided surgery for pituitary adenomas. Journal of Neuro-Oncology, 2021, 151, 403-413.	2.9	10
57	Guidelines in the management of CNS tumors. Journal of Neuro-Oncology, 2021, 151, 345-359.	2.9	10
58	Dissecting the default mode network: direct structural evidence on the morphology and axonal connectivity of the fifth component of the cingulum bundle. Journal of Neurosurgery, 2020, 134, 1-12.	1.6	10
59	Student Survey Results of a Virtual Medical Student Course Developed as a Platform for Neurosurgical Education During the Coronavirus Disease 2019 Pandemic. World Neurosurgery, 2021, 152, e250-e265.	1.3	8
60	Snapshot: Socioeconomic Competence in US Neurosurgery Residents. World Neurosurgery, 2019, 130, e874-e879.	1.3	7
61	A Chimeric Signal Peptideâ€“Galectin-3 Conjugate Induces Glycosylation-Dependent Cancer Cellâ€“Specific Apoptosis. Clinical Cancer Research, 2020, 26, 2711-2724.	7.0	7
62	Specific causes and predictors of readmissions following acute and chronic subdural hematoma evacuation. Journal of Clinical Neuroscience, 2020, 75, 35-39.	1.5	7
63	Robotic-Assisted Digital Exoscope for Resection of Cerebral Metastases: A Case Series. Operative Neurosurgery, 2021, 21, 436-444.	0.8	7
64	Hospital-acquired conditions: predictors and implications for outcomes following spine tumor resection. Journal of Neurosurgery: Spine, 2017, 27, 717-722.	1.7	6
65	Incidence and Predictive Factors of Sepsis Following Adult Spinal Deformity Surgery. Neurosurgery, 2018, 83, 965-972.	1.1	6
66	Proposed definition of competencies for surgical neuro-oncology training. Journal of Neuro-Oncology, 2021, 153, 121-131.	2.9	6
67	Contemporary intraoperative visualization for GBM with use of exoscope, 5-ALA fluorescence-guided surgery and tractography. Neurosurgical Focus Video, 2022, 6, V5.	0.3	6
68	Initial biopsy and early re-resection practices in the treatment of glioblastoma among AANS/CNS tumor section surgeons. Journal of Neuro-Oncology, 2019, 144, 529-534.	2.9	5
69	Caroticoclinoid Bar: A Systematic Review and Meta-Analysis of Its Prevalence and Potential Implications in Cerebrovascular and Skull Base Surgery. World Neurosurgery, 2019, 124, 267-276.	1.3	5
70	The Role of Prophylactic Intraventricular Antibiotics in Reducing the Incidence of Infection and Revision Surgery in Pediatric Patients Undergoing Shunt Placement. Neurosurgery, 2021, 88, 301-305.	1.1	5
71	Use of Intraoperative Fluorophores. Neurosurgery Clinics of North America, 2021, 32, 55-64.	1.7	5
72	Spinal cord injury in the United States Army Special Forces. Journal of Neurosurgery: Spine, 2021, 34, 110-116.	1.7	5

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73	Re-evaluating Biopsy for Recurrent Glioblastoma: A Position Statement by the Christopher Davidson Forum Investigators. Neurosurgery, 2021, 89, 129-132.	1.1	5
74	Patents and Innovation Among Neurosurgeons from the American Association of Neurological Surgeons. Cureus, 2020, 12, e7031.	0.5	4
75	Early repeat resection for residual glioblastoma: decision-making among an international cohort of neurosurgeons. Journal of Neurosurgery, 2022, 137, 1618-1627.	1.6	4
76	LAPONITEÂ® nanodisk-â€œdecoratedâ€•Fe₃O₄ nanoparticles: a biocompatible nano-hybrid with ultrafast magnetic hyperthermia and MRI contrast agent ability. Journal of Materials Chemistry B, 2022, 10, 4935-4943.	5.8	4
77	3D Exoscope Navigation-Guided Approach to Middle Cranial Fossa. Otology and Neurotology, 2021, 42, 1223-1227.	1.3	3
78	Phase I study of PD-L1 inhibition with avelumab and laser interstitial thermal therapy in patients with recurrent glioblastoma.. Journal of Clinical Oncology, 2019, 37, TPS2074-TPS2074.	1.6	3
79	Synthesis of Biocompatible Magnetic Iron Oxide (Î³-Fe2O3 and Fe3O4) Nanoparticles by a Modified Polyol Process for Biomedical Applications. Materials Research Society Symposia Proceedings, 2010, 1256, 1.	0.1	2
80	In Reply: Incidence and Predictive Factors of Sepsis Following Adult Spinal Deformity Surgery. Neurosurgery, 2018, 83, E44-E45.	1.1	2
81	Akaluc bioluminescence offers superior sensitivity to track in vivo glioma expansion. Neuro-Oncology Advances, 2020, 2, vdaa134.	0.7	2
82	CTIM-09. PHASE I STUDY OF PD-L1 INHIBITION WITH AVELUMAB AND LASER INTERSTITIAL THERMAL THERAPY IN PATIENTS WITH RECURRENT GLIOBLASTOMA. Neuro-Oncology, 2021, 23, vi51-vi51.	1.2	2
83	Editorial. Supramaximal resection of eloquent glioblastoma: a continued paradigm shift in neurosurgical oncology. Journal of Neurosurgery, 2022, , 1-3.	1.6	2
84	Intraoperative Imaging of Glioblastoma. , 2016, , 187-195.		1
85	In the nose, not the sella: Case report of an ectopic pituitary adenoma. Interdisciplinary Neurosurgery: Advanced Techniques and Case Management, 2018, 13, 32-35.	0.3	1
86	Use of the 3D exoscope for the supracerebellar infratentorial approach in the concorde position: an effective and ergonomic alternative. Illustrative cases. Journal of Neurosurgery Case Lessons, 2022, 3, .	0.3	1
87	ATIM-31. PHASE I STUDY OF TUMOR TREATMENT FIELDS AND A PERSONALIZED MUTATION-DERIVED TUMOR VACCINE IN PATIENTS WITH NEWLY DIAGNOSED GLIOBLASTOMA. Neuro-Oncology, 2018, 20, vi8-vi8.	1.2	0
88	EXTH-69. MAGNETIC HYPERTHERMIA THERAPY OF EXPERIMENTAL GLIOBLASTOMA IN COMBINATION WITH CHEMORADIATION. Neuro-Oncology, 2018, 20, vi99-vi100.	1.2	0
89	Third Ventricle Cavernous Malformation and Obstructive Hydrocephalus Thought to Be a Colloid Cyst. World Neurosurgery, 2021, 145, 315-319.	1.3	0
90	In Reply: The Role of Prophylactic Intraventricular Antibiotics in Reducing the Incidence of Infection and Revision Surgery in Pediatric Patients Undergoing Shunt Placement. Neurosurgery, 2021, 89, E104-E104.	1.1	0

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91	Stereotactic Radiosurgery In The Management Of Motor Cortex Arteriovenous Malformations. Neurosurgery, 1999, 45, 714-714.	1.1	0
92	Granular Cell Tumor: A Technical Approach for Resection of a Rare Suprasellar Mass. Neurosurgery Open, 2020, 1, .	0.2	0
93	CSIG-21. 5-ALA PDT AND TARGETING MEK/ERK SIGNALING ELICITS SYNERGISTIC ANTITUMOR EFFECTS IN DIFFUSE MIDLINE GLIOMA. Neuro-Oncology, 2021, 23, vi37-vi37.	1.2	0
94	ITVT-02. Elucidating the pleiotropic effects of verteporfin photodynamic therapy in preclinical glioblastoma models. Neuro-Oncology, 2021, 23, vi228-vi228.	1.2	0
95	EXTH-04. ELUCIDATING THE PLEIOTROPIC EFFECTS OF VERTEPORFIN PHOTODYNAMIC THERAPY IN PRECLINICAL GLIOBLASTOMA MODELS. Neuro-Oncology, 2021, 23, vi164-vi164.	1.2	0
96	Introduction. Intraoperative visualization. Neurosurgical Focus Video, 2022, 6, V1.	0.3	0
97	EXTH-51. ANTI-INVASIVE EFFICACY AND SURVIVAL BENEFIT OF THE YAP-TEAD INHIBITOR VERTEPORFIN IN PRECLINICAL GLIOBLASTOMA MODELS. Neuro-Oncology, 2020, 22, ii98-ii98.	1.2	0
98	TMOD-22. AKALUC BIOLUMINESCENCE OFFERS SUPERIOR SENSITIVITY TO TRACK IN VIVO GBM EXPANSION. Neuro-Oncology, 2020, 22, ii232-ii232.	1.2	0
99	EPID-34. THE DETRIMENTAL EFFECT OF BIOPSY PRECEDING RESECTION IN SURGICALLY ACCESSIBLE GLIOBLASTOMAS: RESULTS FROM THE NATIONAL CANCER DATABASE. Neuro-Oncology, 2020, 22, ii85-ii86.	1.2	0
100	Editorial: Intraoperative Fluorescence Imaging and Diagnosis in Central and Peripheral Nervous System Tumors: Established Applications and Future Perspectives. Frontiers in Oncology, 2022, 12, 845333.	2.8	0
101	Clinical impact of intraoperative hyperlactatemia during craniotomy. , 2019, 14, e0224016.		0
102	Clinical impact of intraoperative hyperlactatemia during craniotomy. , 2019, 14, e0224016.		0