

# Constantinos G Hadjipanayis

## List of Publications by Year in descending order

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Version: 2024-02-01

102  
papers

4,394  
citations

136740

32  
h-index

110170

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. <i>Ca-A Cancer Journal for Clinicians</i> , 2010, 60, 166-193.	157.7	1,182
2	Magnetic hyperthermia therapy for the treatment of glioblastoma: a review of the therapy's history, efficacy and application in humans. <i>International Journal of Hyperthermia</i> , 2018, 34, 1316-1328.	1.1	260
3	Predictors of outcome in surgically managed patients with typical and atypical trigeminal neuralgia: comparison of results following microvascular decompression. <i>Journal of Neurosurgery</i> , 2002, 96, 527-531.	0.9	215
4	5-ALA and FDA approval for glioma surgery. <i>Journal of Neuro-Oncology</i> , 2019, 141, 479-486.	1.4	204
5	5-aminolevulinic acid photodynamic therapy for the treatment of high-grade gliomas. <i>Journal of Neuro-Oncology</i> , 2019, 141, 595-607.	1.4	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. <i>Neuro-Oncology</i> , 2014, 17, 430-9.	0.6	108
7	Intracranial Rosai's/Dorfman disease treated with microsurgical resection and stereotactic radiosurgery. <i>Journal of Neurosurgery</i> , 2003, 98, 165-168.	0.9	94
8	Whole-brain spectroscopic MRI biomarkers identify infiltrating margins in glioblastoma patients. <i>Neuro-Oncology</i> , 2016, 18, 1180-1189.	0.6	94
9	Human <i>Brat</i> Ortholog <i>TRIM3</i> Is a Tumor Suppressor That Regulates Asymmetric Cell Division in Glioblastoma. <i>Cancer Research</i> , 2014, 74, 4536-4548.	0.4	90
10	Preoperative Risk Stratification in Spine Tumor Surgery. <i>Spine</i> , 2019, 44, E782-E787.	1.0	88
11	Stereotactic Radiosurgery for Motor Cortex Region Arteriovenous Malformations. <i>Neurosurgery</i> , 2001, 48, 70-77.	0.6	85
12	Stereotactic radiosurgery for pilocytic astrocytomas when multimodality therapy is necessary. <i>Journal of Neurosurgery</i> , 2002, 97, 56-64.	0.9	82
13	Factors impacting cerebrospinal fluid leak rates in endoscopic sellar surgery. <i>International Forum of Allergy and Rhinology</i> , 2016, 6, 1117-1125.	1.5	72
14	Spinal cord ependymoma: a review of the literature and case series of ten patients. <i>Journal of Neuro-Oncology</i> , 2016, 128, 377-386.	1.4	71
15	Intracranial control and radiographic changes with adjuvant radiation therapy for resected brain metastases: whole brain radiotherapy versus stereotactic radiosurgery alone. <i>Journal of Neuro-Oncology</i> , 2014, 120, 657-663.	1.4	67
16	Prophylactic antiepileptic drug administration following brain tumor resection: results of a recent AANS/CNS Section on Tumors survey. <i>Journal of Neurosurgery</i> , 2016, 126, 1772-1778.	0.9	64
17	The Use of the Exoscope in Lateral Skull Base Surgery: Advantages and Limitations. <i>Otology and Neurotology</i> , 2019, 40, 236-240.	0.7	62
18	Stereotactic Laser Interstitial Thermal Therapy for Recurrent High-Grade Gliomas. <i>Neurosurgery</i> , 2016, 79, S24-S34.	0.6	61

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19	Fluorescence-guided surgery for high-grade gliomas. <i>Journal of Surgical Oncology</i> , 2018, 118, 356-361.	0.8	60
20	Established and emerging uses of 5-ALA in the brain: an overview. <i>Journal of Neuro-Oncology</i> , 2019, 141, 487-494.	1.4	60
21	Congress of Neurological Surgeons Systematic Review and Evidence-Based Guidelines on Surgical Resection for the Treatment of Patients With Vestibular Schwannomas. <i>Neurosurgery</i> , 2018, 82, E40-E43.	0.6	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. <i>Neurosurgery</i> , 2018, 82, E49-E51.	0.6	55
23	The Role of Radiosurgery for the Treatment of Pineal Parenchymal Tumors. <i>Neurosurgery</i> , 2002, 51, 880-889.	0.6	53
24	Hyperthermia treatment advances for brain tumors. <i>International Journal of Hyperthermia</i> , 2020, 37, 3-19.	1.1	50
25	Standardized intraoperative 5-ALA photodynamic therapy for newly diagnosed glioblastoma patients: a preliminary analysis of the INDYGO clinical trial. <i>Journal of Neuro-Oncology</i> , 2021, 152, 501-514.	1.4	47
26	Laser Ablation of Abnormal Neurological Tissue Using Robotic NeuroBlate System (LAANTERN): 12-Month Outcomes and Quality of Life After Brain Tumor Ablation. <i>Neurosurgery</i> , 2020, 87, E338-E346.	0.6	43
27	Congress of Neurological Surgeons Systematic Review and Evidence-Based Guidelines on Emerging Therapies for the Treatment of Patients With Vestibular Schwannomas. <i>Neurosurgery</i> , 2018, 82, E52-E54.	0.6	42
28	Review of clinical trials in intraoperative molecular imaging during cancer surgery. <i>Journal of Biomedical Optics</i> , 2019, 24, 1.	1.4	40
29	Fluorescence-Guided Surgery: A Review on Timing and Use in Brain Tumor Surgery. <i>Frontiers in Neurology</i> , 2021, 12, 682151.	1.1	39
30	Current knowledge on the immune microenvironment and emerging immunotherapies in diffuse midline glioma. <i>EBioMedicine</i> , 2021, 69, 103453.	2.7	37
31	Stereotactic Radiosurgery for Well-Circumscribed Fibrillary Grade II Astrocytomas: An Initial Experience. <i>Stereotactic and Functional Neurosurgery</i> , 2002, 79, 13-24.	0.8	35
32	Stereotactic Radiosurgery for CNS Nongerminomatous Germ Cell Tumors. <i>Pediatric Neurosurgery</i> , 2003, 38, 329-333.	0.4	35
33	Intraoperative Spectroscopy with Ultrahigh Sensitivity for Image-Guided Surgery of Malignant Brain Tumors. <i>Analytical Chemistry</i> , 2016, 88, 858-867.	3.2	34
34	Successful repair of intraoperative cerebrospinal fluid leaks improves outcomes in endoscopic skull base surgery. <i>International Forum of Allergy and Rhinology</i> , 2017, 7, 80-86.	1.5	34
35	Anti-invasive efficacy and survival benefit of the YAP-TEAD inhibitor verteporfin in preclinical glioblastoma models. <i>Neuro-Oncology</i> , 2022, 24, 694-707.	0.6	29
36	Convection-enhanced delivery of cetuximab conjugated iron-oxide nanoparticles for treatment of spontaneous canine intracranial gliomas. <i>Journal of Neuro-Oncology</i> , 2018, 137, 653-663.	1.4	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. <i>Journal of Neuro-Oncology</i> , 2018, 136, 595-604.	1.4	28
38	Intraoperative molecular imaging clinical trials: a review of 2020 conference proceedings. <i>Journal of Biomedical Optics</i> , 2021, 26, .	1.4	28
39	Multiparametric MRI for early identification of therapeutic response in recurrent glioblastoma treated with immune checkpoint inhibitors. <i>Neuro-Oncology</i> , 2020, 22, 1658-1666.	0.6	27
40	5-Aminolevulinic Acid Guided Sampling of Glioblastoma Microenvironments Identifies Pro-Survival Signaling at Infiltrative Margins. <i>Scientific Reports</i> , 2017, 7, 15593.	1.6	25
41	Size and composition control of core-shell structured iron/iron-oxide nanoparticles. <i>Journal of Applied Physics</i> , 2010, 107, 09A333.	1.1	24
42	Neurosurgical management of brain and spine tumors in the COVID-19 era: an institutional experience from the epicenter of the pandemic. <i>Journal of Neuro-Oncology</i> , 2020, 148, 211-219.	1.4	24
43	Fluorescence-Guided High-Grade Glioma Surgery More Than Four Hours After 5-Aminolevulinic Acid Administration. <i>Frontiers in Neurology</i> , 2021, 12, 644804.	1.1	24
44	The Use of Spectroscopy Handheld Tools in Brain Tumor Surgery: Current Evidence and Techniques. <i>Frontiers in Surgery</i> , 2019, 6, 30.	0.6	21
45	5-ALA fluorescence-guided surgery of CNS tumors. <i>Journal of Neuro-Oncology</i> , 2019, 141, 477-478.	1.4	20
46	Malpractice Litigation in Brain Tumor Surgery: A 31-Year Analysis of Causative Factors in the United States from the Westlaw Database. <i>World Neurosurgery</i> , 2019, 122, e1570-e1577.	0.7	20
47	Intraoperative fluorescence diagnosis in the brain: a systematic review and suggestions for future standards on reporting diagnostic accuracy and clinical utility. <i>Acta Neurochirurgica</i> , 2019, 161, 2083-2098.	0.9	19
48	Postoperative outcomes following glioblastoma resection using a robot-assisted digital surgical exoscope: a case series. <i>Journal of Neuro-Oncology</i> , 2020, 148, 519-527.	1.4	19
49	Medical Student Publications in Neurosurgery: At Which U.S. Academic Institutions Do Medical Students Publish Most?. <i>World Neurosurgery</i> , 2021, 147, 181-189.e1.	0.7	19
50	Resident participation is not associated with postoperative adverse events, reoperation, or prolonged length of stay following craniotomy for brain tumor resection. <i>Journal of Neuro-Oncology</i> , 2017, 135, 613-619.	1.4	17
51	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
52	The Neurosurgeon's Armamentarium for Gliomas: An Update on Intraoperative Technologies to Improve Extent of Resection. <i>Journal of Clinical Medicine</i> , 2021, 10, 236.	1.0	14
53	A Systematic Pipeline for the Objective Comparison of Whole-Brain Spectroscopic MRI with Histology in Biopsy Specimens from Grade 3 Glioma. <i>Tomography</i> , 2016, 2, 106-116.	0.8	14
54	Adult Intramedullary Teratoma of the Spinal Cord: A Case Report and Review of Literature. <i>World Neurosurgery</i> , 2016, 87, 661.e23-661.e30.	0.7	13

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55	Clinical impact of intraoperative hyperlactatemia during craniotomy. PLoS ONE, 2019, 14, e0224016.	1.1	10
56	Fluorescence guided surgery for pituitary adenomas. Journal of Neuro-Oncology, 2021, 151, 403-413.	1.4	10
57	Guidelines in the management of CNS tumors. Journal of Neuro-Oncology, 2021, 151, 345-359.	1.4	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.	0.9	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.	0.7	8
60	Snapshot: Socioeconomic Competence in US Neurosurgery Residents. World Neurosurgery, 2019, 130, e874-e879.	0.7	7
61	A Chimeric Signal Peptide-Galectin-3 Conjugate Induces Glycosylation-Dependent Cancer Cell-Specific Apoptosis. Clinical Cancer Research, 2020, 26, 2711-2724.	3.2	7
62	Specific causes and predictors of readmissions following acute and chronic subdural hematoma evacuation. Journal of Clinical Neuroscience, 2020, 75, 35-39.	0.8	7
63	Robotic-Assisted Digital Exoscope for Resection of Cerebral Metastases: A Case Series. Operative Neurosurgery, 2021, 21, 436-444.	0.4	7
64	Hospital-acquired conditions: predictors and implications for outcomes following spine tumor resection. Journal of Neurosurgery: Spine, 2017, 27, 717-722.	0.9	6
65	Incidence and Predictive Factors of Sepsis Following Adult Spinal Deformity Surgery. Neurosurgery, 2018, 83, 965-972.	0.6	6
66	Proposed definition of competencies for surgical neuro-oncology training. Journal of Neuro-Oncology, 2021, 153, 121-131.	1.4	6
67	Contemporary intraoperative visualization for GBM with use of exoscope, 5-ALA fluorescence-guided surgery and tractography. Neurosurgical Focus Video, 2022, 6, V5.	0.1	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.	1.4	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.	0.7	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.	0.6	5
71	Use of Intraoperative Fluorophores. Neurosurgery Clinics of North America, 2021, 32, 55-64.	0.8	5
72	Spinal cord injury in the United States Army Special Forces. Journal of Neurosurgery: Spine, 2021, 34, 110-116.	0.9	5

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73	Re-evaluating Biopsy for Recurrent Glioblastoma: A Position Statement by the Christopher Davidson Forum Investigators. <i>Neurosurgery</i> , 2021, 89, 129-132.	0.6	5
74	Patents and Innovation Among Neurosurgeons from the American Association of Neurological Surgeons. <i>Cureus</i> , 2020, 12, e7031.	0.2	4
75	Early repeat resection for residual glioblastoma: decision-making among an international cohort of neurosurgeons. <i>Journal of Neurosurgery</i> , 2022, 137, 1618-1627.	0.9	4
76	LAPONITEÂ® nanodisk-â€œdecoratedâ€œ-Fe <sub>3</sub> O <sub>4</sub> nanoparticles: a biocompatible nano-hybrid with ultrafast magnetic hyperthermia and MRI contrast agent ability. <i>Journal of Materials Chemistry B</i> , 2022, 10, 4935-4943.	2.9	4
77	3D Exoscope Navigation-Guided Approach to Middle Cranial Fossa. <i>Otology and Neurotology</i> , 2021, 42, 1223-1227.	0.7	3
78	Phase I study of PD-L1 inhibition with avelumab and laser interstitial thermal therapy in patients with recurrent glioblastoma.. <i>Journal of Clinical Oncology</i> , 2019, 37, TPS2074-TPS2074.	0.8	3
79	Synthesis of Biocompatible Magnetic Iron Oxide (Î³-Fe <sub>2</sub> O <sub>3</sub> and Fe <sub>3</sub> O <sub>4</sub> ) Nanoparticles by a Modified Polyol Process for Biomedical Applications. <i>Materials Research Society Symposia Proceedings</i> , 2010, 1256, 1.	0.1	2
80	In Reply: Incidence and Predictive Factors of Sepsis Following Adult Spinal Deformity Surgery. <i>Neurosurgery</i> , 2018, 83, E44-E45.	0.6	2
81	Akaluc bioluminescence offers superior sensitivity to track in vivo glioma expansion. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa134.	0.4	2
82	CTIM-09. PHASE I STUDY OF PD-L1 INHIBITION WITH AVELUMAB AND LASER INTERSTITIAL THERMAL THERAPY IN PATIENTS WITH RECURRENT GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2021, 23, vi51-vi51.	0.6	2
83	Editorial. Supramaximal resection of eloquent glioblastoma: a continued paradigm shift in neurosurgical oncology. <i>Journal of Neurosurgery</i> , 2022, , 1-3.	0.9	2
84	Intraoperative Imaging of Glioblastoma. , 2016, , 187-195.		1
85	In the nose, not the sella: Case report of an ectopic pituitary adenoma. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2018, 13, 32-35.	0.2	1
86	Use of the 3D exoscope for the supracerebellar infratentorial approach in the concorde position: an effective and ergonomic alternative. <i>Illustrative cases. Journal of Neurosurgery Case Lessons</i> , 2022, 3, .	0.1	1
87	ATIM-31. PHASE I STUDY OF TUMOR TREATMENT FIELDS AND A PERSONALIZED MUTATION-DERIVED TUMOR VACCINE IN PATIENTS WITH NEWLY DIAGNOSED GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2018, 20, vi8-vi8.	0.6	0
88	EXTH-69. MAGNETIC HYPERTHERMIA THERAPY OF EXPERIMENTAL GLIOBLASTOMA IN COMBINATION WITH CHEMORADIATION. <i>Neuro-Oncology</i> , 2018, 20, vi99-vi100.	0.6	0
89	Third Ventricle Cavernous Malformation and Obstructive Hydrocephalus Thought to Be a Colloid Cyst. <i>World Neurosurgery</i> , 2021, 145, 315-319.	0.7	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. <i>Neurosurgery</i> , 2021, 89, E104-E104.	0.6	0

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91	Stereotactic Radiosurgery In The Management Of Motor Cortex Arteriovenous Malformations. <i>Neurosurgery</i> , 1999, 45, 714-714.	0.6	0
92	Granular Cell Tumor: A Technical Approach for Resection of a Rare Suprasellar Mass. <i>Neurosurgery Open</i> , 2020, 1, .	0.7	0
93	CSIG-21. 5-ALA PDT AND TARGETING MEK/ERK SIGNALING ELICITS SYNERGISTIC ANTITUMOR EFFECTS IN DIFFUSE MIDLINE GLIOMA. <i>Neuro-Oncology</i> , 2021, 23, vi37-vi37.	0.6	0
94	ITVT-02. Elucidating the pleiotropic effects of verteporfin photodynamic therapy in preclinical glioblastoma models. <i>Neuro-Oncology</i> , 2021, 23, vi228-vi228.	0.6	0
95	EXTH-04. ELUCIDATING THE PLEIOTROPIC EFFECTS OF VERTEPORFIN PHOTODYNAMIC THERAPY IN PRECLINICAL GLIOBLASTOMA MODELS. <i>Neuro-Oncology</i> , 2021, 23, vi164-vi164.	0.6	0
96	Introduction. Intraoperative visualization. <i>Neurosurgical Focus Video</i> , 2022, 6, V1.	0.1	0
97	EXTH-51. ANTI-INVASIVE EFFICACY AND SURVIVAL BENEFIT OF THE YAP-TEAD INHIBITOR VERTEPORFIN IN PRECLINICAL GLIOBLASTOMA MODELS. <i>Neuro-Oncology</i> , 2020, 22, ii98-ii98.	0.6	0
98	TMOD-22. AKALUC BIOLUMINESCENCE OFFERS SUPERIOR SENSITIVITY TO TRACK IN VIVO GBM EXPANSION. <i>Neuro-Oncology</i> , 2020, 22, ii232-ii232.	0.6	0
99	EPID-34. THE DETRIMENTAL EFFECT OF BIOPSY PRECEDING RESECTION IN SURGICALLY ACCESSIBLE GLIOBLASTOMAS: RESULTS FROM THE NATIONAL CANCER DATABASE. <i>Neuro-Oncology</i> , 2020, 22, ii85-ii86.	0.6	0
100	Editorial: Intraoperative Fluorescence Imaging and Diagnosis in Central and Peripheral Nervous System Tumors: Established Applications and Future Perspectives. <i>Frontiers in Oncology</i> , 2022, 12, 845333.	1.3	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