

Constantinos G Hadjipanayis

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

4,394
citations

136885

32
h-index

110317

64
g-index

103
all docs

103
docs citations

103
times ranked

6254
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | Introduction. Intraoperative visualization. <i>Neurosurgical Focus Video</i> , 2022, 6, V1. | 0.1 | 0 |
| 4 | Contemporary intraoperative visualization for GBM with use of exoscope, 5-ALA fluorescence-guided surgery and tractography. <i>Neurosurgical Focus Video</i> , 2022, 6, V5. | 0.1 | 6 |
| 5 | 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 |
| 6 | 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 |
| 7 | LAPONITE® nanodisk- Fe_3O_4 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 |
| 8 | Use of the 3D exoscope for the supracerebellar infratentorial approach in the concorde position: an effective and ergonomic alternative. Illustrative cases. <i>Journal of Neurosurgery Case Lessons</i> , 2022, 3, . | 0.1 | 1 |
| 9 | Editorial. Supramaximal resection of eloquent glioblastoma: a continued paradigm shift in neurosurgical oncology. <i>Journal of Neurosurgery</i> , 2022, , 1-3. | 0.9 | 2 |
| 10 | 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, 88, 301-305. | 0.6 | 5 |
| 11 | Use of Intraoperative Fluorophores. <i>Neurosurgery Clinics of North America</i> , 2021, 32, 55-64. | 0.8 | 5 |
| 12 | Third Ventricle Cavernous Malformation and Obstructive Hydrocephalus Thought to Be a Colloid Cyst. <i>World Neurosurgery</i> , 2021, 145, 315-319. | 0.7 | 0 |
| 13 | 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 |
| 14 | Spinal cord injury in the United States Army Special Forces. <i>Journal of Neurosurgery: Spine</i> , 2021, 34, 110-116. | 0.9 | 5 |
| 15 | Fluorescence guided surgery for pituitary adenomas. <i>Journal of Neuro-Oncology</i> , 2021, 151, 403-413. | 1.4 | 10 |
| 16 | Guidelines in the management of CNS tumors. <i>Journal of Neuro-Oncology</i> , 2021, 151, 345-359. | 1.4 | 10 |
| 17 | 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 |
| 18 | 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 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | Proposed definition of competencies for surgical neuro-oncology training. <i>Journal of Neuro-Oncology</i> , 2021, 153, 121-131. | 1.4 | 6 |
| 22 | 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 |
| 23 | Intraoperative molecular imaging clinical trials: a review of 2020 conference proceedings. <i>Journal of Biomedical Optics</i> , 2021, 26, . | 1.4 | 28 |
| 24 | 3D Exoscope Navigation-Guided Approach to Middle Cranial Fossa. <i>Otology and Neurotology</i> , 2021, 42, 1223-1227. | 0.7 | 3 |
| 25 | Fluorescence-Guided Surgery: A Review on Timing and Use in Brain Tumor Surgery. <i>Frontiers in Neurology</i> , 2021, 12, 682151. | 1.1 | 39 |
| 26 | Current knowledge on the immune microenvironment and emerging immunotherapies in diffuse midline glioma. <i>EBioMedicine</i> , 2021, 69, 103453. | 2.7 | 37 |
| 27 | Student Survey Results of a Virtual Medical Student Course Developed as a Platform for Neurosurgical Education During the Coronavirus Disease 2019 Pandemic. <i>World Neurosurgery</i> , 2021, 152, e250-e265. | 0.7 | 8 |
| 28 | Robotic-Assisted Digital Exoscope for Resection of Cerebral Metastases: A Case Series. <i>Operative Neurosurgery</i> , 2021, 21, 436-444. | 0.4 | 7 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | Hyperthermia treatment advances for brain tumors. <i>International Journal of Hyperthermia</i> , 2020, 37, 3-19. | 1.1 | 50 |
| 34 | Akaluc bioluminescence offers superior sensitivity to track in vivo glioma expansion. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa134. | 0.4 | 2 |
| 35 | 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 |
| 36 | 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 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | 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 |
| 38 | A Chimeric Signal Peptideâ€“Galectin-3 Conjugate Induces Glycosylation-Dependent Cancer Cellâ€“Specific Apoptosis. <i>Clinical Cancer Research</i> , 2020, 26, 2711-2724. | 3.2 | 7 |
| 39 | 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 |
| 40 | Specific causes and predictors of readmissions following acute and chronic subdural hematoma evacuation. <i>Journal of Clinical Neuroscience</i> , 2020, 75, 35-39. | 0.8 | 7 |
| 41 | Dissecting the default mode network: direct structural evidence on the morphology and axonal connectivity of the fifth component of the cingulum bundle. <i>Journal of Neurosurgery</i> , 2020, 134, 1-12. | 0.9 | 10 |
| 42 | Patents and Innovation Among Neurosurgeons from the American Association of Neurological Surgeons. <i>Cureus</i> , 2020, 12, e7031. | 0.2 | 4 |
| 43 | Granular Cell Tumor: A Technical Approach for Resection of a Rare Suprasellar Mass. <i>Neurosurgery Open</i> , 2020, 1, . | 0.7 | 0 |
| 44 | 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 |
| 45 | TMOD-22. AKALUC BIOLUMINESCENCE OFFERS SUPERIOR SENSITIVITY TO TRACK IN VIVO GBM EXPANSION. <i>Neuro-Oncology</i> , 2020, 22, ii232-ii232. | 0.6 | 0 |
| 46 | 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 |
| 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 | Initial biopsy and early re-resection practices in the treatment of glioblastoma among AANS/CNS tumor section surgeons. <i>Journal of Neuro-Oncology</i> , 2019, 144, 529-534. | 1.4 | 5 |
| 49 | Clinical impact of intraoperative hyperlactatemia during craniotomy. <i>PLoS ONE</i> , 2019, 14, e0224016. | 1.1 | 10 |
| 50 | Snapshot: Socioeconomic Competence in US Neurosurgery Residents. <i>World Neurosurgery</i> , 2019, 130, e874-e879. | 0.7 | 7 |
| 51 | 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 |
| 52 | 5-ALA fluorescence-guided surgery of CNS tumors. <i>Journal of Neuro-Oncology</i> , 2019, 141, 477-478. | 1.4 | 20 |
| 53 | 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 |
| 54 | Caroticoclinoid Bar: A Systematic Review and Meta-Analysis of Its Prevalence and Potential Implications in Cerebrovascular and Skull Base Surgery. <i>World Neurosurgery</i> , 2019, 124, 267-276. | 0.7 | 5 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | 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 |
| 56 | Preoperative Risk Stratification in Spine Tumor Surgery. <i>Spine</i> , 2019, 44, E782-E787. | 1.0 | 88 |
| 57 | 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 |
| 58 | 5-ALA and FDA approval for glioma surgery. <i>Journal of Neuro-Oncology</i> , 2019, 141, 479-486. | 1.4 | 204 |
| 59 | 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 |
| 60 | Review of clinical trials in intraoperative molecular imaging during cancer surgery. <i>Journal of Biomedical Optics</i> , 2019, 24, 1. | 1.4 | 40 |
| 61 | 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 |
| 62 | Clinical impact of intraoperative hyperlactatemia during craniotomy. , 2019, 14, e0224016. | | 0 |
| 63 | Clinical impact of intraoperative hyperlactatemia during craniotomy. , 2019, 14, e0224016. | | 0 |
| 64 | 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 |
| 65 | 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 |
| 66 | 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 |
| 67 | 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 |
| 68 | 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 |
| 69 | 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 |
| 70 | Incidence and Predictive Factors of Sepsis Following Adult Spinal Deformity Surgery. <i>Neurosurgery</i> , 2018, 83, 965-972. | 0.6 | 6 |
| 71 | 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 |
| 72 | EXTH-69. MAGNETIC HYPERTHERMIA THERAPY OF EXPERIMENTAL GLIOBLASTOMA IN COMBINATION WITH CHEMORADIATION. <i>Neuro-Oncology</i> , 2018, 20, vi99-vi100. | 0.6 | 0 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | In Reply: Incidence and Predictive Factors of Sepsis Following Adult Spinal Deformity Surgery. <i>Neurosurgery</i> , 2018, 83, E44-E45. | 0.6 | 2 |
| 74 | 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 |
| 75 | Fluorescence-guided surgery for high-grade gliomas. <i>Journal of Surgical Oncology</i> , 2018, 118, 356-361. | 0.8 | 60 |
| 76 | Hospital-acquired conditions: predictors and implications for outcomes following spine tumor resection. <i>Journal of Neurosurgery: Spine</i> , 2017, 27, 717-722. | 0.9 | 6 |
| 77 | 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 |
| 78 | 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 |
| 79 | 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 |
| 80 | Intraoperative Imaging of Glioblastoma. , 2016, , 187-195. | | 1 |
| 81 | 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 |
| 82 | 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 |
| 83 | Stereotactic Laser Interstitial Thermal Therapy for Recurrent High-Grade Gliomas. <i>Neurosurgery</i> , 2016, 79, S24-S34. | 0.6 | 61 |
| 84 | 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 |
| 85 | 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 |
| 86 | Intraoperative Spectroscopy with Ultrahigh Sensitivity for Image-Guided Surgery of Malignant Brain Tumors. <i>Analytical Chemistry</i> , 2016, 88, 858-867. | 3.2 | 34 |
| 87 | Whole-brain spectroscopic MRI biomarkers identify infiltrating margins in glioblastoma patients. <i>Neuro-Oncology</i> , 2016, 18, 1180-1189. | 0.6 | 94 |
| 88 | 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 |
| 89 | 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 |
| 90 | 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 |

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|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|
| 91 | 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 |
| 92 | 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 |
| 93 | Synthesis of Biocompatible Magnetic Iron Oxide (Fe_3O_4 and Fe_2O_3) Nanoparticles by a Modified Polyol Process for Biomedical Applications. <i>Materials Research Society Symposia Proceedings</i> , 2010, 1256, 1. | 0.1 | 2 |
| 94 | Size and composition control of core-shell structured iron/iron-oxide nanoparticles. <i>Journal of Applied Physics</i> , 2010, 107, 09A333. | 1.1 | 24 |
| 95 | Stereotactic Radiosurgery for CNS Nongerminomatous Germ Cell Tumors. <i>Pediatric Neurosurgery</i> , 2003, 38, 329-333. | 0.4 | 35 |
| 96 | Intracranial Rosai-Dorfman disease treated with microsurgical resection and stereotactic radiosurgery. <i>Journal of Neurosurgery</i> , 2003, 98, 165-168. | 0.9 | 94 |
| 97 | 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 |
| 98 | Stereotactic radiosurgery for pilocytic astrocytomas when multimodality therapy is necessary. <i>Journal of Neurosurgery</i> , 2002, 97, 56-64. | 0.9 | 82 |
| 99 | The Role of Radiosurgery for the Treatment of Pineal Parenchymal Tumors. <i>Neurosurgery</i> , 2002, 51, 880-889. | 0.6 | 53 |
| 100 | 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 |
| 101 | Stereotactic Radiosurgery for Motor Cortex Region Arteriovenous Malformations. <i>Neurosurgery</i> , 2001, 48, 70-77. | 0.6 | 85 |
| 102 | Stereotactic Radiosurgery In The Management Of Motor Cortex Arteriovenous Malformations. <i>Neurosurgery</i> , 1999, 45, 714-714. | 0.6 | 0 |