

Francesco DiMeco

List of Publications by Year in descending order

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Version: 2024-02-01

169
papers

20,021
citations

47006

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177
docs citations

177
times ranked

27485
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | The Somatic Genomic Landscape of Glioblastoma. <i>Cell</i> , 2013, 155, 462-477. | 28.9 | 3,979 |
| 2 | Comprehensive, Integrative Genomic Analysis of Diffuse Lower-Grade Gliomas. <i>New England Journal of Medicine</i> , 2015, 372, 2481-2498. | 27.0 | 2,582 |
| 3 | Isolation and Characterization of Tumorigenic, Stem-like Neural Precursors from Human Glioblastoma. <i>Cancer Research</i> , 2004, 64, 7011-7021. | 0.9 | 2,318 |
| 4 | Effect of Tumor-Treating Fields Plus Maintenance Temozolomide vs Maintenance Temozolomide Alone on Survival in Patients With Glioblastoma. <i>JAMA - Journal of the American Medical Association</i> , 2017, 318, 2306. | 7.4 | 1,619 |
| 5 | Genomic and Functional Approaches to Understanding Cancer Aneuploidy. <i>Cancer Cell</i> , 2018, 33, 676-689.e3. | 16.8 | 750 |
| 6 | Cyclopamine-Mediated Hedgehog Pathway Inhibition Depletes Stem-Like Cancer Cells in Glioblastoma. <i>Stem Cells</i> , 2007, 25, 2524-2533. | 3.2 | 578 |
| 7 | NOTCH Pathway Blockade Depletes CD133-Positive Glioblastoma Cells and Inhibits Growth of Tumor Neurospheres and Xenografts. <i>Stem Cells</i> , 2010, 28, 5-16. | 3.2 | 553 |
| 8 | Gene therapy of experimental brain tumors using neural progenitor cells. <i>Nature Medicine</i> , 2000, 6, 447-450. | 30.7 | 450 |
| 9 | Driver Fusions and Their Implications in the Development and Treatment of Human Cancers. <i>Cell Reports</i> , 2018, 23, 227-238.e3. | 6.4 | 407 |
| 10 | Endothelial Cells Create a Stem Cell Niche in Glioblastoma by Providing NOTCH Ligands That Nurture Self-Renewal of Cancer Stem-Like Cells. <i>Cancer Research</i> , 2011, 71, 6061-6072. | 0.9 | 335 |
| 11 | Somatic Mutational Landscape of Splicing Factor Genes and Their Functional Consequences across 33 Cancer Types. <i>Cell Reports</i> , 2018, 23, 282-296.e4. | 6.4 | 333 |
| 12 | Pan-cancer Alterations of the MYC Oncogene and Its Proximal Network across the Cancer Genome Atlas. <i>Cell Systems</i> , 2018, 6, 282-300.e2. | 6.2 | 284 |
| 13 | Genomic, Pathway Network, and Immunologic Features Distinguishing Squamous Carcinomas. <i>Cell Reports</i> , 2018, 23, 194-212.e6. | 6.4 | 245 |
| 14 | A Pan-Cancer Analysis of Enhancer Expression in Nearly 9000 Patient Samples. <i>Cell</i> , 2018, 173, 386-399.e12. | 28.9 | 228 |
| 15 | Pan-Cancer Analysis of lncRNA Regulation Supports Their Targeting of Cancer Genes in Each Tumor Context. <i>Cell Reports</i> , 2018, 23, 297-312.e12. | 6.4 | 205 |
| 16 | Polymeric Nanoparticles for Nonviral Gene Therapy Extend Brain Tumor Survival <i>in Vivo</i> . <i>ACS Nano</i> , 2015, 9, 1236-1249. | 14.6 | 203 |
| 17 | DNA methylation profiling to predict recurrence risk in meningioma: development and validation of a nomogram to optimize clinical management. <i>Neuro-Oncology</i> , 2019, 21, 901-910. | 1.2 | 184 |
| 18 | The EphA2 Receptor Drives Self-Renewal and Tumorigenicity in Stem-like Tumor-Propagating Cells from Human Glioblastomas. <i>Cancer Cell</i> , 2012, 22, 765-780. | 16.8 | 179 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Clinical Significance of Extracellular Vesicles in Plasma from Glioblastoma Patients. <i>Clinical Cancer Research</i> , 2019, 25, 266-276. | 7.0 | 177 |
| 20 | Intraoperative Contrast-Enhanced Ultrasound for Brain Tumor Surgery. <i>Neurosurgery</i> , 2014, 74, 542-552. | 1.1 | 163 |
| 21 | The molecular landscape of glioma in patients with Neurofibromatosis 1. <i>Nature Medicine</i> , 2019, 25, 176-187. | 30.7 | 145 |
| 22 | Meningiomas Invading the Superior Sagittal Sinus: Surgical Experience in 108 Cases. <i>Neurosurgery</i> , 2004, 55, 1263-1274. | 1.1 | 131 |
| 23 | CD90 is Identified as a Candidate Marker for Cancer Stem Cells in Primary High-Grade Gliomas Using Tissue Microarrays. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M111.010744. | 3.8 | 122 |
| 24 | Advances in multidisciplinary therapy for meningiomas. <i>Neuro-Oncology</i> , 2019, 21, i18-i31. | 1.2 | 102 |
| 25 | Identification of residual tumor with intraoperative contrast-enhanced ultrasound during glioblastoma resection. <i>Neurosurgical Focus</i> , 2016, 40, E7. | 2.3 | 99 |
| 26 | Constitutive and TNF α -inducible expression of chondroitin sulfate proteoglycan 4 in glioblastoma and neurospheres: Implications for CAR-T cell therapy. <i>Science Translational Medicine</i> , 2018, 10, . | 12.4 | 96 |
| 27 | Controlled local delivery of interleukin-2 by biodegradable polymers protects animals from experimental brain tumors and liver tumors. <i>Pharmaceutical Research</i> , 2001, 18, 899-906. | 3.5 | 86 |
| 28 | DNER, an Epigenetically Modulated Gene, Regulates Glioblastoma-Derived Neurosphere Cell Differentiation and Tumor Propagation. <i>Stem Cells</i> , 2009, 27, 1473-1486. | 3.2 | 84 |
| 29 | Aphasia induced by gliomas growing in the ventrolateral frontal region: Assessment with diffusion MR tractography, functional MR imaging and neuropsychology. <i>Cortex</i> , 2012, 48, 255-272. | 2.4 | 84 |
| 30 | CXCL12, CXCR4 and CXCR7 expression in brain metastases. <i>Cancer Biology and Therapy</i> , 2009, 8, 1608-1614. | 3.4 | 83 |
| 31 | Combined Anterior Craniofacial Resection for Tumors Involving the Cribriform Plate: Early Postoperative Complications and Technical Considerations. <i>Neurosurgery</i> , 2000, 47, 1296-1305. | 1.1 | 78 |
| 32 | Wnt5a Drives an Invasive Phenotype in Human Glioblastoma Stem-like Cells. <i>Cancer Research</i> , 2017, 77, 996-1007. | 0.9 | 75 |
| 33 | Local Immunotherapy with Interleukin-2 Delivered from Biodegradable Polymer Microspheres Combined with Interstitial Chemotherapy: A Novel Treatment for Experimental Malignant Glioma. <i>Neurosurgery</i> , 2003, 52, 872-880. | 1.1 | 71 |
| 34 | Identification of Cell Surface Glycoprotein Markers for Glioblastoma-Derived Stem-Like Cells Using a Lectin Microarray and LC-MS/MS Approach. <i>Journal of Proteome Research</i> , 2010, 9, 2565-2572. | 3.7 | 71 |
| 35 | Intraoperative Cerebral Glioma Characterization with Contrast Enhanced Ultrasound. <i>BioMed Research International</i> , 2014, 2014, 1-9. | 1.9 | 71 |
| 36 | Limited Efficacy of the HSV-TK/GCV System for Gene Therapy of Malignant Gliomas and Perspectives for the Combined Transduction of the Interleukin-4 Gene. <i>Human Gene Therapy</i> , 1997, 8, 1345-1353. | 2.7 | 69 |

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|----|---|-----|-----------|
| 37 | Survival effect of first- and second-line treatments for patients with primary glioblastoma: a cohort study from a prospective registry, 1997-2010. <i>Neuro-Oncology</i> , 2014, 16, 719-727. | 1.2 | 68 |
| 38 | Paracrine delivery of IL-12 against intracranial 9L gliosarcoma in rats. <i>Journal of Neurosurgery</i> , 2000, 92, 419-427. | 1.6 | 60 |
| 39 | Fusion imaging for intra-operative ultrasound-based navigation in neurosurgery. <i>Journal of Ultrasound</i> , 2014, 17, 243-251. | 1.3 | 60 |
| 40 | Advanced Ultrasound Imaging in Glioma Surgery: Beyond Gray-Scale B-mode. <i>Frontiers in Oncology</i> , 2018, 8, 576. | 2.8 | 60 |
| 41 | Perioperative thromboprophylaxis in patients with craniotomy for brain tumours: a systematic review. <i>Journal of Neuro-Oncology</i> , 2013, 113, 293-303. | 2.9 | 59 |
| 42 | Life after surgical resection of a meningioma: a prospective cross-sectional study evaluating health-related quality of life. <i>Neuro-Oncology</i> , 2019, 21, i32-i43. | 1.2 | 56 |
| 43 | Local delivery of mitoxantrone for the treatment of malignant brain tumors in rats. <i>Journal of Neurosurgery</i> , 2002, 97, 1173-1178. | 1.6 | 54 |
| 44 | Survival gain in glioblastoma patients treated with dendritic cell immunotherapy is associated with increased NK but not CD8 ⁺ T cell activation in the presence of adjuvant temozolomide. <i>Oncolimmunology</i> , 2018, 7, e1412901. | 4.6 | 54 |
| 45 | Editorial. Neurosurgery in the storm of COVID-19: suggestions from the Lombardy region, Italy (ex Tj ETQq1 1 0.784314 rgBT /Overlo | 1.6 | 52 |
| 46 | Contrast-enhanced MR Imaging versus Contrast-enhanced US: A Comparison in Glioblastoma Surgery by Using Intraoperative Fusion Imaging. <i>Radiology</i> , 2017, 285, 242-249. | 7.3 | 50 |
| 47 | Ablative brain surgery: an overview. <i>International Journal of Hyperthermia</i> , 2019, 36, 64-80. | 2.5 | 49 |
| 48 | Intraoperative Strain Elastosonography in Brain Tumor Surgery. <i>Operative Neurosurgery</i> , 2019, 17, 227-236. | 0.8 | 48 |
| 49 | From Grey Scale B-Mode to Elastosonography: Multimodal Ultrasound Imaging in Meningioma Surgery – Pictorial Essay and Literature Review. <i>BioMed Research International</i> , 2015, 2015, 1-13. | 1.9 | 47 |
| 50 | New approach to tumor therapy for inoperable areas of the brain: chronic intraparenchymal drug delivery. <i>Journal of Neuro-Oncology</i> , 2002, 60, 151-158. | 2.9 | 45 |
| 51 | Loss of H3K27me3 in meningiomas. <i>Neuro-Oncology</i> , 2021, 23, 1282-1291. | 1.2 | 45 |
| 52 | Laser interstitial thermal therapy followed by minimal-access transsulcal resection for the treatment of large and difficult to access brain tumors. <i>Neurosurgical Focus</i> , 2016, 41, E14. | 2.3 | 44 |
| 53 | Treatment of recurrent glioblastoma: can local delivery of mitoxantrone improve survival?. <i>Journal of Neuro-Oncology</i> , 2008, 88, 105-113. | 2.9 | 42 |
| 54 | Expression of the new CXCL12 receptor, CXCR7, in gliomas. <i>Cancer Biology and Therapy</i> , 2011, 11, 242-253. | 3.4 | 41 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Intraoperative cerebral angiosonography with ultrasound contrast agents: how I do it. Acta Neurochirurgica, 2015, 157, 1025-1029. | 1.7 | 41 |
| 56 | Applications of Focused Ultrasound in Cerebrovascular Diseases and Brain Tumors. Neurotherapeutics, 2019, 16, 67-87. | 4.4 | 40 |
| 57 | Intraoperative Navigated Angiosonography for Skull Base Tumor Surgery. World Neurosurgery, 2015, 84, 1699-1707. | 1.3 | 39 |
| 58 | Multisession Radiosurgery for Sellar and Parasellar Benign Meningiomas. Neurosurgery, 2016, 78, 638-646. | 1.1 | 39 |
| 59 | Craniotomy vs. craniectomy for posterior fossa tumors: a prospective study to evaluate complications after surgery. Acta Neurochirurgica, 2013, 155, 2281-2286. | 1.7 | 38 |
| 60 | Podocalyxin-Like Protein Is Expressed in Glioblastoma Multiforme Stem-Like Cells and Is Associated with Poor Outcome. PLoS ONE, 2013, 8, e75945. | 2.5 | 38 |
| 61 | Spinal cord herniation: Management and outcome in a series of 12 consecutives patients and review of the literature. Acta Neurochirurgica, 2012, 154, 723-730. | 1.7 | 33 |
| 62 | Intraoperative ultrasound in spinal tumor surgery. Journal of Ultrasound, 2014, 17, 195-202. | 1.3 | 33 |
| 63 | Navigated Intraoperative 2-Dimensional Ultrasound in High-Grade Glioma Surgery: Impact on Extent of Resection and Patient Outcome. Operative Neurosurgery, 2020, 18, 363-373. | 0.8 | 33 |
| 64 | Informed consent through 3D virtual reality: a randomized clinical trial. Acta Neurochirurgica, 2021, 163, 301-308. | 1.7 | 33 |
| 65 | Origins and clinical implications of the brain tumor stem cell hypothesis. Journal of Neuro-Oncology, 2009, 93, 49-60. | 2.9 | 32 |
| 66 | Interstitial Docetaxel (Taxotere), Carmustine and Combined Interstitial Therapy: a Novel Treatment for Experimental Malignant Glioma. Journal of Neuro-Oncology, 2006, 80, 9-17. | 2.9 | 31 |
| 67 | Glycoproteomic Analysis of Glioblastoma Stem Cell Differentiation. Journal of Proteome Research, 2011, 10, 330-338. | 3.7 | 31 |
| 68 | Radiosurgery reirradiation for high-grade glioma recurrence: a retrospective analysis. Neurological Sciences, 2015, 36, 1431-1440. | 1.9 | 31 |
| 69 | The semisitting position: analysis of the risks and surgical outcomes in a contemporary series of 425 adult patients undergoing cranial surgery. Journal of Neurosurgery, 2017, 127, 867-876. | 1.6 | 31 |
| 70 | Virtual biopsy using MRI radiomics for prediction of BRAF status in melanoma brain metastasis. Scientific Reports, 2020, 10, 6623. | 3.3 | 29 |
| 71 | Discrete or diffuse intramedullary tumor? Contrast-enhanced intraoperative ultrasound in a case of intramedullary cervicothoracic hemangioblastomas mimicking a diffuse infiltrative glioma: technical note and case report. Neurosurgical Focus, 2015, 39, E17. | 2.3 | 28 |
| 72 | MUCINOUS LOW-GRADE ADENOCARCINOMA ARISING IN AN INTRACRANIAL ENTEROGENOUS CYST. Neurosurgery, 2008, 62, E972-E973. | 1.1 | 27 |

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|----|---|-----|-----------|
| 73 | Prospective study of carmustine wafers in combination with 6-month metronomic temozolomide and radiation therapy in newly diagnosed glioblastoma: preliminary results. <i>Journal of Neurosurgery</i> , 2013, 118, 821-829. | 1.6 | 26 |
| 74 | Ex Vivo Fluorescein-Assisted Confocal Laser Endomicroscopy (CONVIVO® System) in Patients With Glioblastoma: Results From a Prospective Study. <i>Frontiers in Oncology</i> , 2020, 10, 606574. | 2.8 | 26 |
| 75 | Cisplatin and BCNU chemotherapy in primary glioblastoma patients. <i>Journal of Neuro-Oncology</i> , 2009, 94, 57-62. | 2.9 | 25 |
| 76 | Application of an aviation model of incident reporting and investigation to the neurosurgical scenario: method and preliminary data. <i>Neurosurgical Focus</i> , 2012, 33, E7. | 2.3 | 25 |
| 77 | Dynamic assessment of venous anatomy and function in neurosurgery with real-time intraoperative multimodal ultrasound: technical note. <i>Neurosurgical Focus</i> , 2018, 45, E6. | 2.3 | 25 |
| 78 | Practical assessment of preoperative functional mapping techniques: navigated transcranial magnetic stimulation and functional magnetic resonance imaging. <i>Neurological Sciences</i> , 2013, 34, 1551-1557. | 1.9 | 24 |
| 79 | Local Delivery of a Synthetic Endostatin Fragment for the Treatment of Experimental Gliomas. <i>Neurosurgery</i> , 2005, 57, 1032-1040. | 1.1 | 23 |
| 80 | May we deliver neuro-oncology in difficult times (e.g. COVID-19)?. <i>Journal of Neuro-Oncology</i> , 2020, 148, 203-205. | 2.9 | 23 |
| 81 | Synovitis, acne, pustulosis, hyperostosis, and osteitis syndrome presenting as a primary calvarial lesion. <i>Journal of Neurosurgery</i> , 2000, 93, 693-697. | 1.6 | 22 |
| 82 | Spinal Dural Arteriovenous Fistula: Is There a Role for Intraoperative Contrast-Enhanced Ultrasound?. <i>World Neurosurgery</i> , 2017, 100, 712.e15-712.e18. | 1.3 | 22 |
| 83 | Extracellular vesicles: The key for precision medicine in glioblastoma. <i>Neuro-Oncology</i> , 2022, 24, 184-196. | 1.2 | 22 |
| 84 | Filling the gap between the OR and virtual simulation: a European study on a basic neurosurgical procedure. <i>Acta Neurochirurgica</i> , 2018, 160, 2087-2097. | 1.7 | 21 |
| 85 | Immunotherapy and biological modifiers for the treatment of malignant brain tumors. <i>Current Opinion in Oncology</i> , 2003, 15, 204-208. | 2.4 | 20 |
| 86 | Lactacystin Exhibits Potent Anti-tumor Activity in an Animal Model of Malignant Glioma when Administered via Controlled-release Polymers. <i>Journal of Neuro-Oncology</i> , 2006, 77, 225-232. | 2.9 | 20 |
| 87 | Neurosurgical tools to extend tumor resection in hemispheric low-grade gliomas: conventional and contrast enhanced ultrasonography. <i>Child's Nervous System</i> , 2016, 32, 1907-1914. | 1.1 | 20 |
| 88 | Risk of seizures during intraoperative electrocortical stimulation of brain motor areas: a retrospective study on 50 patients. <i>Neurological Sciences</i> , 2013, 34, 63-70. | 1.9 | 19 |
| 89 | In Silico Mathematical Modelling for Glioblastoma: A Critical Review and a Patient-Specific Case. <i>Journal of Clinical Medicine</i> , 2021, 10, 2169. | 2.4 | 19 |
| 90 | Resection of primary central nervous system lymphoma: impact of patient selection on overall survival. <i>Journal of Neurosurgery</i> , 2021, 135, 1016-1025. | 1.6 | 19 |

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|-----|--|-----|-----------|
| 91 | USim: A New Device and App for Case-Specific, Intraoperative Ultrasound Simulation and Rehearsal in Neurosurgery. A Preliminary Study. Operative Neurosurgery, 2018, 14, 572-578. | 0.8 | 17 |
| 92 | Indocyanine Green and Contrast-Enhanced Ultrasound Videoangiography: A Synergistic Approach for Real-Time Verification of Distal Revascularization and Aneurysm Occlusion in a Complex Distal Middle Cerebral Artery Aneurysm. World Neurosurgery, 2019, 125, 277-284. | 1.3 | 17 |
| 93 | Expansion of effector and memory T cells is associated with increased survival in recurrent glioblastomas treated with dendritic cell immunotherapy. Neuro-Oncology Advances, 2019, 1, vdz022. | 0.7 | 16 |
| 94 | Decrease in circulating endothelial progenitor cells in treated glioma patients. Journal of Neuro-Oncology, 2012, 108, 123-129. | 2.9 | 15 |
| 95 | Piezoelectric Surgery for Dorsal Spine. World Neurosurgery, 2018, 114, 58-62. | 1.3 | 15 |
| 96 | Image-Guided Biopsy of Intracranial Lesions with a Small Robotic Device (iSYS1): A Prospective, Exploratory Pilot Study. Operative Neurosurgery, 2019, 17, 403-412. | 0.8 | 15 |
| 97 | Sonodynamic Therapy for the Treatment of Intracranial Gliomas. Journal of Clinical Medicine, 2021, 10, 1101. | 2.4 | 14 |
| 98 | The "STARS-CASCADE" Study: Virtual Reality Simulation as a New Training Approach in Vascular Neurosurgery. World Neurosurgery, 2021, 154, e130-e146. | 1.3 | 14 |
| 99 | Pattern of care and outcome in elderly patients with glioblastoma: Data in 151 patients from 3 Lombardia Hospitals. Journal of the Neurological Sciences, 2017, 378, 3-8. | 0.6 | 13 |
| 100 | In Vivo Toxicity Study of Engineered Lipid Microbubbles in Rodents. ACS Omega, 2019, 4, 5526-5533. | 3.5 | 13 |
| 101 | Quantitative analysis of in-vivo microbubble distribution in the human brain. Scientific Reports, 2021, 11, 11797. | 3.3 | 13 |
| 102 | In vivo 2-hydroxyglutarate-proton magnetic resonance spectroscopy (3 T, PRESS technique) in treatment-naïve suspect lower-grade gliomas: feasibility and accuracy in a clinical setting. Neurological Sciences, 2020, 41, 347-355. | 1.9 | 12 |
| 103 | In vitro and in vivo characterization of a cranial window prosthesis for diagnostic and therapeutic cerebral ultrasound. Journal of Neurosurgery, 2020, , 1-13. | 1.6 | 12 |
| 104 | Hand "tool" tissue interaction forces in neurosurgery for haptic rendering. Medical and Biological Engineering and Computing, 2016, 54, 1229-1241. | 2.8 | 11 |
| 105 | Intraoperative ultrasonography (ioUS) characteristics of focal cortical dysplasia (FCD) type II b. Seizure: the Journal of the British Epilepsy Association, 2019, 69, 80-86. | 2.0 | 11 |
| 106 | Advanced intraoperative ultrasound (ioUS) techniques in focal cortical dysplasia (FCD) surgery: A preliminary experience on a case series. Clinical Neurology and Neurosurgery, 2020, 198, 106188. | 1.4 | 11 |
| 107 | EANS Basic Brain Course (ABC): combining simulation to cadaver lab for a new concept of neurosurgical training. Acta Neurochirurgica, 2020, 162, 453-460. | 1.7 | 11 |
| 108 | Intracranial Sonodynamic Therapy With 5-Aminolevulinic Acid and Sodium Fluorescein: Safety Study in a Porcine Model. Frontiers in Oncology, 2021, 11, 679989. | 2.8 | 11 |

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|-----|--|-----|-----------|
| 109 | Tumor-initiating cell frequency is relevant for glioblastoma aggressiveness. <i>Oncotarget</i> , 2016, 7, 71491-71503. | 1.8 | 11 |
| 110 | Combined Anterior Craniofacial Resection for Tumors Involving the Cribriform Plate: Early Postoperative Complications and Technical Considerations. <i>Neurosurgery</i> , 2000, 47, 1296-1305. | 1.1 | 10 |
| 111 | Differentiating brain radionecrosis from tumour recurrence: a role for contrast-enhanced ultrasound?. <i>Acta Neurochirurgica</i> , 2017, 159, 2405-2408. | 1.7 | 10 |
| 112 | Mutations targeting the coagulation pathway are enriched in brain metastases. <i>Scientific Reports</i> , 2017, 7, 6573. | 3.3 | 10 |
| 113 | Piezosurgery for Infra- and Supratentorial Craniotomies in Brain Tumor Surgery. <i>World Neurosurgery</i> , 2019, 122, e1398-e1404. | 1.3 | 10 |
| 114 | Chemotherapy for brain tumors with polymer drug delivery. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2012, 104, 339-353. | 1.8 | 9 |
| 115 | Radiation and Adjuvant Drug-Loaded Liposomes target Glioblastoma Stem Cells and Trigger <i>In-situ</i> Immune Response. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab076. | 0.7 | 9 |
| 116 | Multiparametric Intraoperative Ultrasound in Oncological Neurosurgery: A Pictorial Essay. <i>Frontiers in Neuroscience</i> , 2022, 16, 881661. | 2.8 | 9 |
| 117 | In Vivo Biodistribution of Engineered Lipid Microbubbles in Rodents. <i>ACS Omega</i> , 2019, 4, 13371-13381. | 3.5 | 8 |
| 118 | 5-ALA Fluorescence in Case of Brain Abscess by Aggregatibacter Mimicking Glioblastoma. <i>World Neurosurgery</i> , 2019, 125, 175-178. | 1.3 | 8 |
| 119 | A phase I-IIa study of genetically modified Tie-2 expressing monocytes in patients with glioblastoma multiforme (TEM-GBM Study).. <i>Journal of Clinical Oncology</i> , 2021, 39, 2532-2532. | 1.6 | 8 |
| 120 | From Focused Ultrasound Tumor Ablation to Brain Blood Barrier Opening for High Grade Glioma: A Systematic Review. <i>Cancers</i> , 2021, 13, 5614. | 3.7 | 8 |
| 121 | Cranial sonolucent prosthesis: a window of opportunity for neuro-oncology (and neuro-surgery). <i>Journal of Neuro-Oncology</i> , 2022, 156, 529-540. | 2.9 | 8 |
| 122 | Local delivery of antineoplastic agents using biodegradable polymers for the treatment of malignant brain tumors. <i>Expert Review of Neurotherapeutics</i> , 2003, 3, 533-546. | 2.8 | 7 |
| 123 | Peri-operative prognostic factors for primary skull base chordomas: results from a single-center cohort.. <i>Acta Neurochirurgica</i> , 2021, 163, 689-697. | 1.7 | 7 |
| 124 | Characteristics of Patients Returning to Work After Brain Tumor Surgery. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 609080. | 2.0 | 7 |
| 125 | Ultrasonds induce bloodâ€“brain barrier opening across a sonolucent polyolefin plate in an in vitro isolated brain preparation. <i>Scientific Reports</i> , 2022, 12, 2906. | 3.3 | 7 |
| 126 | Contrast-enhanced ultrasound (CEUS) in spinal tumor surgery. <i>Acta Neurochirurgica</i> , 2018, 160, 1869-1871. | 1.7 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Contrast-Enhanced Ultrasound Assisted Surgery of Intramedullary Spinal Cord Tumors: Analysis of Technical Benefits and Intra-operative Microbubble Distribution Characteristics. Ultrasound in Medicine and Biology, 2021, 47, 398-407. | 1.5 | 6 |
| 128 | Proposed definition of competencies for surgical neuro-oncology training. Journal of Neuro-Oncology, 2021, 153, 121-131. | 2.9 | 6 |
| 129 | Motor evoked potentials and bis-guided anaesthesia in image-guided mini-invasive neurosurgery of supratentorial tumors nearby the cortico-spinal tract. Turkish Neurosurgery, 2017, 28, 341-348. | 0.2 | 6 |
| 130 | Intramedullary cavernoma: A surgical resection technique. Neurochirurgie, 2017, 63, 426-429. | 1.2 | 5 |
| 131 | How to Perform Intra-Operative Contrast-Enhanced Ultrasound of the Brainâ€”A WFUMB Position Paper. Ultrasound in Medicine and Biology, 2021, 47, 2006-2016. | 1.5 | 5 |
| 132 | Intraoperative cerebral ultrasound for third ventricle colloid cyst removal: case report. Journal of Ultrasound, 2016, 19, 211-215. | 1.3 | 4 |
| 133 | Robot assisted laser-interstitial thermal therapy with iSYS1 and Visualase: how I do it. Acta Neurochirurgica, 2021, 163, 3465-3471. | 1.7 | 4 |
| 134 | The â€œSTARSâ€”CT-MADEâ€”Study: Advanced Rehearsal and Intraoperative Navigation for Skull Base Tumors. World Neurosurgery, 2021, 154, e19-e28. | 1.3 | 4 |
| 135 | Growth factor independence underpins a paroxysmal, aggressive Wnt5aHigh/EphA2Low phenotype in glioblastoma stem cells, conducive to experimental combinatorial therapy. Journal of Experimental and Clinical Cancer Research, 2022, 41, 139. | 8.6 | 4 |
| 136 | Health Literacy and Pseudoliteracy in Neurosurgery: the â€œC. Bestaâ€”Experience. World Neurosurgery, 2015, 84, 1541-1543. | 1.3 | 3 |
| 137 | Short Course Radiotherapy Concomitant with Temozolomide in GBM Patients: A Phase II Study. Tumori, 2017, 103, 457-463. | 1.1 | 3 |
| 138 | Letter to the editor: lung metastasis in WHO grade I meningioma. Neurological Sciences, 2018, 39, 1781-1783. | 1.9 | 3 |
| 139 | Falcine meningiomas. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2020, 170, 101-106. | 1.8 | 3 |
| 140 | Echographic Brain Semeiology and Topographic Anatomy According to Surgical Approaches. , 2016, , 29-39. | | 3 |
| 141 | Shunt Migration into the Sphenoid Sinus: Case Reports. Neurosurgery, 2003, 53, 441-443. | 1.1 | 2 |
| 142 | Gliomatosis cerebri (GC) or GC-like? A picture to be reconsidered in neuro-oncology based on large retrospective analysis of GC series. Neurological Sciences, 2020, 41, 2111-2120. | 1.9 | 2 |
| 143 | Reactivation of COVID-19 in a neurosurgical patient with early neuropsychiatric presentation. Does seroconversion mean immunity?. , 2021, 12, 166. | | 2 |
| 144 | Ultrasound guided mini-invasive tailored approach and intraoperative neurophysiological monitoring: a synergistic strategy for the removal of tumors near the motor cortex. A preliminary experience. Journal of Neurosurgical Sciences, 2018, 62, 255-264. | 0.6 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Image guidance in skull base tumor resection: A synergistic approach using intraoperative navigated angiosonography for real-time vessel visualization. , 2016, 7, 82. | | 2 |
| 146 | ecancermedalscience. Ecancermedalscience, 2013, 7, 309. | 1.1 | 1 |
| 147 | Current and Future Novel Treatments for Glioblastoma Multiforme. BioMed Research International, 2014, 2014, 1-1. | 1.9 | 1 |
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