

# Francesco DiMeco

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

164  
papers

14,638  
citations

45  
h-index

120  
g-index

177  
ext. papers

18,128  
ext. citations

5.7  
avg, IF

5.57  
L-index

#	Paper	IF	Citations
164	Cranial sonolucent prosthesis: a window of opportunity for neuro-oncology (and neuro-surgery).. <i>Journal of Neuro-Oncology</i> , <b>2022</b> , 156, 529	4.8	1
163	Ultrasounds induce blood-brain barrier opening across a sonolucent polyolefin plate in an in vitro isolated brain preparation.. <i>Scientific Reports</i> , <b>2022</b> , 12, 2906	4.9	0
162	Growth factor independence underpins a paroxysmal, aggressive Wnt5a/EphA2 phenotype in glioblastoma stem cells, conducive to experimental combinatorial therapy.. <i>Journal of Experimental and Clinical Cancer Research</i> , <b>2022</b> , 41, 139	12.8	1
161	Multiparametric Intraoperative Ultrasound in Oncological Neurosurgery: A Pictorial Essay.. <i>Frontiers in Neuroscience</i> , <b>2022</b> , 16, 881661	5.1	1
160	Intraoperative Contrast-Enhanced Ultrasound in the Pediatric Neurosurgical Patient <b>2021</b> , 225-244		
159	Contrast-Enhanced Ultrasound Assisted Surgery of Intramedullary Spinal Cord Tumors: Analysis of Technical Benefits and Intra-operative Microbubble Distribution Characteristics. <i>Ultrasound in Medicine and Biology</i> , <b>2021</b> , 47, 398-407	3.5	0
158	Sonodynamic Therapy for the Treatment of Intracranial Gliomas. <i>Journal of Clinical Medicine</i> , <b>2021</b> , 10,	5.1	5
157	Proposed definition of competencies for surgical neuro-oncology training. <i>Journal of Neuro-Oncology</i> , <b>2021</b> , 153, 121-131	4.8	1
156	Reactivation of COVID-19 in a neurosurgical patient with early neuropsychiatric presentation. Does seroconversion mean immunity?. <i>Surgical Neurology International</i> , <b>2021</b> , 12, 166	1	2
155	Loss of H3K27me3 in meningiomas. <i>Neuro-Oncology</i> , <b>2021</b> , 23, 1282-1291	1	7
154	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> , <b>2021</b> , 39, 2532-2532	2.2	1
153	In Silico Mathematical Modelling for Glioblastoma: A Critical Review and a Patient-Specific Case. <i>Journal of Clinical Medicine</i> , <b>2021</b> , 10,	5.1	4
152	Quantitative analysis of in-vivo microbubble distribution in the human brain. <i>Scientific Reports</i> , <b>2021</b> , 11, 11797	4.9	4
151	Radiation and adjuvant drug-loaded liposomes target glioblastoma stem cells and trigger in-situ immune response. <i>Neuro-Oncology Advances</i> , <b>2021</b> , 3, vdab076	0.9	0
150	Intracranial Sonodynamic Therapy With 5-Aminolevulinic Acid and Sodium Fluorescein: Safety Study in a Porcine Model. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 679989	5.3	0
149	Robot assisted laser-interstitial thermal therapy with iSYS1 and Visualase: how I do it. <i>Acta Neurochirurgica</i> , <b>2021</b> , 163, 3465-3471	3	1
148	Informed consent through 3D virtual reality: a randomized clinical trial. <i>Acta Neurochirurgica</i> , <b>2021</b> , 163, 301-308	3	14

147	Peri-operative prognostic factors for primary skull base chordomas: results from a single-center cohort. <i>Acta Neurochirurgica</i> , <b>2021</b> , 163, 689-697	3	1
146	How to Perform Intra-Operative Contrast-Enhanced Ultrasound of the Brain-A WFUMB Position Paper. <i>Ultrasound in Medicine and Biology</i> , <b>2021</b> , 47, 2006-2016	3.5	2
145	Extracellular vesicles: the key for precision medicine in glioblastoma. <i>Neuro-Oncology</i> , <b>2021</b> ,	1	3
144	Resection of primary central nervous system lymphoma: impact of patient selection on overall survival. <i>Journal of Neurosurgery</i> , <b>2021</b> , 1-10	3.2	4
143	The "STARS-CT-MADE" Study: Advanced Rehearsal and Intraoperative Navigation for Skull Base Tumors. <i>World Neurosurgery</i> , <b>2021</b> , 154, e19-e28	2.1	1
142	The "STARS-CASCADE" Study: Virtual Reality Simulation as a New Training Approach in Vascular Neurosurgery. <i>World Neurosurgery</i> , <b>2021</b> , 154, e130-e146	2.1	1
141	Mechano-Biological Features in a Patient-Specific Computational Model of Glioblastoma. <i>Neuromethods</i> , <b>2021</b> , 265-287	0.4	1
140	Navigated Intraoperative 2-Dimensional Ultrasound in High-Grade Glioma Surgery: Impact on Extent of Resection and Patient Outcome. <i>Operative Neurosurgery</i> , <b>2020</b> , 18, 363-373	1.6	13
139	Fluorescein-Assisted Confocal Laser Endomicroscopy (CONVIVO <sup>®</sup> System) in Patients With Glioblastoma: Results From a Prospective Study. <i>Frontiers in Oncology</i> , <b>2020</b> , 10, 606574	5.3	7
138	Gliomatosis cerebri (GC) or GC-like? A picture to be reconsidered in neuro-oncology based on large retrospective analysis of GC series. <i>Neurological Sciences</i> , <b>2020</b> , 41, 2111-2120	3.5	1
137	EANS Basic Brain Course (ABC): combining simulation to cadaver lab for a new concept of neurosurgical training. <i>Acta Neurochirurgica</i> , <b>2020</b> , 162, 453-460	3	3
136	May we deliver neuro-oncology in difficult times (e.g. COVID-19)?. <i>Journal of Neuro-Oncology</i> , <b>2020</b> , 148, 203-205	4.8	20
135	Virtual biopsy using MRI radiomics for prediction of BRAF status in melanoma brain metastasis. <i>Scientific Reports</i> , <b>2020</b> , 10, 6623	4.9	15
134	SURG-30. SURGICAL RESECTION OF PRIMARY CENTRAL NERVOUS SYSTEM LYMPHOMA: IMPACT OF PATIENT SELECTION ON OVERALL SURVIVAL. <i>Neuro-Oncology</i> , <b>2020</b> , 22, ii209-ii210	1	
133	NCOG-55. HARMONIZING LANGUAGE TO MAXIMIZE IMPACT: AN UPDATE ON COMMON DATA ELEMENTS FOR MENINGIOMA AND REVIEW OF CLINICAL TRIALS IN MENINGIOMA. <i>Neuro-Oncology</i> , <b>2020</b> , 22, ii141-ii142	1	
132	Conservative treatment for bilateral subdural hematomas. <i>Journal of Neurosurgical Sciences</i> , <b>2020</b> , 64, 124-125	1.3	
131	In vitro and in vivo characterization of a cranial window prosthesis for diagnostic and therapeutic cerebral ultrasound. <i>Journal of Neurosurgery</i> , <b>2020</b> , 1-13	3.2	5
130	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. <i>Neurological Sciences</i> , <b>2020</b> , 41, 347-355	3.5	7

129	Advanced intraoperative ultrasound (ioUS) techniques in focal cortical dysplasia (FCD) surgery: A preliminary experience on a case series. <i>Clinical Neurology and Neurosurgery</i> , <b>2020</b> , 198, 106188	2	6
128	Falcine meningiomas. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , <b>2020</b> , 170, 101-106	3	1
127	CTIM-24. AUTOLOGOUS CD34+ ENRICHED HEMATOPOIETIC PROGENITOR CELLS GENETICALLY MODIFIED FOR HUMAN INTERFERON- $\beta$ , ARE WELL TOLERATED & RAPIDLY ENGRAFT IN PATIENTS WITH GLIOBLASTOMA MULTIFORME (TEM-GBM_001 STUDY). <i>Neuro-Oncology</i> , <b>2020</b> , 22, ii38-ii38	1	1
126	Characteristics of Patients Returning to Work After Brain Tumor Surgery. <i>Frontiers in Human Neuroscience</i> , <b>2020</b> , 14, 609080	3.3	3
125	In Vivo Biodistribution of Engineered Lipid Microbubbles in Rodents. <i>ACS Omega</i> , <b>2019</b> , 4, 13371-13381	3.9	4
124	Ablative brain surgery: an overview. <i>International Journal of Hyperthermia</i> , <b>2019</b> , 36, 64-80	3.7	16
123	Image-Guided Biopsy of Intracranial Lesions with a Small Robotic Device (iSYS1): A Prospective, Exploratory Pilot Study. <i>Operative Neurosurgery</i> , <b>2019</b> , 17, 403-412	1.6	11
122	Advances in multidisciplinary therapy for meningiomas. <i>Neuro-Oncology</i> , <b>2019</b> , 21, i18-i31	1	44
121	DNA methylation profiling to predict recurrence risk in meningioma: development and validation of a nomogram to optimize clinical management. <i>Neuro-Oncology</i> , <b>2019</b> , 21, 901-910	1	79
120	Letter to the Editor Regarding "The Diagnostic Properties of Intraoperative Ultrasound in Glioma Surgery and Factors Associated with Gross Total Tumor Resection". <i>World Neurosurgery</i> , <b>2019</b> , 125, 553-554	2.1	1
119	Intraoperative ultrasonography (ioUS) characteristics of focal cortical dysplasia (FCD) type II b. <i>Seizure: the Journal of the British Epilepsy Association</i> , <b>2019</b> , 69, 80-86	3.2	7
118	In Vivo Toxicity Study of Engineered Lipid Microbubbles in Rodents. <i>ACS Omega</i> , <b>2019</b> , 4, 5526-5533	3.9	8
117	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. <i>World Neurosurgery</i> , <b>2019</b> , 125, 277-284	2.1	7
116	5-ALA Fluorescence in Case of Brain Abscess by Aggregatibacter Mimicking Glioblastoma. <i>World Neurosurgery</i> , <b>2019</b> , 125, 175-178	2.1	4
115	Brain Tectal Tumors: A Flexible Approach. <i>Operative Neurosurgery</i> , <b>2019</b> , 16, E95-E100	1.6	0
114	Expansion of effector and memory T cells is associated with increased survival in recurrent glioblastomas treated with dendritic cell immunotherapy. <i>Neuro-Oncology Advances</i> , <b>2019</b> , 1, vdz022	0.9	8
113	MNGI-07. TRIMETHYLATED H3K27 AND EZH2 EXPRESSION IN MENINGIOMA: CORRELATION WITH TENDENCY TO RECUR. <i>Neuro-Oncology</i> , <b>2019</b> , 21, vi140-vi140	1	78
112	EPID-31. EFFICIENT STUDY OF SURGICALLY TREATED MENINGIOMA THROUGH CLINICAL DATA STANDARDIZATION. <i>Neuro-Oncology</i> , <b>2019</b> , 21, vi81-vi81	1	78

111	ATIM-36. TEM-GBM-001 STUDY: AUTOLOGOUS CD34+ ENRICHED HEMATOPOIETIC PROGENITOR CELLS GENETICALLY MODIFIED FOR HUMAN INTERFERON- $\beta$ & ADMINISTERED TO PATIENTS WITH GLIOBLASTOMA & AN UNMETHYLATED MGMT PROMOTER. <i>Neuro-Oncology</i> , <b>2019</b> , 21, vi9-vi9	1	78
110	Applications of Focused Ultrasound in Cerebrovascular Diseases and Brain Tumors. <i>Neurotherapeutics</i> , <b>2019</b> , 16, 67-87	6.4	19
109	Life after surgical resection of a meningioma: a prospective cross-sectional study evaluating health-related quality of life. <i>Neuro-Oncology</i> , <b>2019</b> , 21, i32-i43	1	33
108	Intraoperative Strain Elastosonography in Brain Tumor Surgery. <i>Operative Neurosurgery</i> , <b>2019</b> , 17, 227-236	2.1	29
107	Piezosurgery for Infra- and Supratentorial Craniotomies in Brain Tumor Surgery. <i>World Neurosurgery</i> , <b>2019</b> , 122, e1398-e1404	2.1	6
106	The molecular landscape of glioma in patients with Neurofibromatosis 1. <i>Nature Medicine</i> , <b>2019</b> , 25, 176-183	5.3	88
105	Clinical Significance of Extracellular Vesicles in Plasma from Glioblastoma Patients. <i>Clinical Cancer Research</i> , <b>2019</b> , 25, 266-276	12.9	112
104	Constitutive and TNF $\beta$ -Inducible expression of chondroitin sulfate proteoglycan 4 in glioblastoma and neurospheres: Implications for CAR-T cell therapy. <i>Science Translational Medicine</i> , <b>2018</b> , 10,	17.5	67
103	A Pan-Cancer Analysis of Enhancer Expression in Nearly 9000 Patient Samples. <i>Cell</i> , <b>2018</b> , 173, 386-399.e12	5.2	133
102	Somatic Mutational Landscape of Splicing Factor Genes and Their Functional Consequences across 33 Cancer Types. <i>Cell Reports</i> , <b>2018</b> , 23, 282-296.e4	10.6	188
101	Driver Fusions and Their Implications in the Development and Treatment of Human Cancers. <i>Cell Reports</i> , <b>2018</b> , 23, 227-238.e3	10.6	235
100	Genomic, Pathway Network, and Immunologic Features Distinguishing Squamous Carcinomas. <i>Cell Reports</i> , <b>2018</b> , 23, 194-212.e6	10.6	146
99	Pan-Cancer Analysis of lncRNA Regulation Supports Their Targeting of Cancer Genes in Each Tumor Context. <i>Cell Reports</i> , <b>2018</b> , 23, 297-312.e12	10.6	147
98	Pan-cancer Alterations of the MYC Oncogene and Its Proximal Network across the Cancer Genome Atlas. <i>Cell Systems</i> , <b>2018</b> , 6, 282-300.e2	10.6	159
97	Genomic and Functional Approaches to Understanding Cancer Aneuploidy. <i>Cancer Cell</i> , <b>2018</b> , 33, 676-689.e3	14.3	377
96	Piezoelectric Surgery for Dorsal Spine. <i>World Neurosurgery</i> , <b>2018</b> , 114, 58-62	2.1	9
95	USim: A New Device and App for Case-Specific, Intraoperative Ultrasound Simulation and Rehearsal in Neurosurgery. A Preliminary Study. <i>Operative Neurosurgery</i> , <b>2018</b> , 14, 572-578	1.6	13
94	Contrast-enhanced ultrasound (CEUS) in spinal tumor surgery. <i>Acta Neurochirurgica</i> , <b>2018</b> , 160, 1869-1873	1.1	6

93	Dynamic assessment of venous anatomy and function in neurosurgery with real-time intraoperative multimodal ultrasound: technical note. <i>Neurosurgical Focus</i> , <b>2018</b> , 45, E6	4.2	17
92	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. <i>Journal of Neurosurgical Sciences</i> , <b>2018</b> , 62, 255-264	1.3	2
91	Motor Evoked Potentials and Bispectral Index-Guided Anaesthesia in Image-Guided Mini-Invasive Neurosurgery of Supratentorial Tumors Nearby the Cortico-Spinal Tract. <i>Turkish Neurosurgery</i> , <b>2018</b> , 28, 341-348	0.8	5
90	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>Onc Immunology</i> , <b>2018</b> , 7, e1412901	7.2	34
89	NIMG-02. STRAIN ELASTOGRAPHY: INTRA-OPERATIVE BRAIN TUMOUR CHARACTERIZATION. <i>Neuro-Oncology</i> , <b>2018</b> , 20, vi176-vi176	1	78
88	SURG-05. NAVIGATED INTRA-OPERATIVE 2-D ULTRASOUND VS STANDARD NEURONAVIGATION IN HIGH GRADE GLIOMA SURGERY. <i>Neuro-Oncology</i> , <b>2018</b> , 20, vi251-vi251	1	78
87	PATH-31. GIANT CELL GLIOBLASTOMAS: ANALYSIS OF MISMATCH-REPAIR (MMR) PROTEINS EXPRESSION, POLIMERASE [(POLE) MUTATIONS AND THEIR ROLE IN TUMOR IMMUNORESPONSE. <i>Neuro-Oncology</i> , <b>2018</b> , 20, vi165-vi165	1	1
86	Advanced Ultrasound Imaging in Glioma Surgery: Beyond Gray-Scale B-mode. <i>Frontiers in Oncology</i> , <b>2018</b> , 8, 576	5.3	44
85	Filling the gap between the OR and virtual simulation: a European study on a basic neurosurgical procedure. <i>Acta Neurochirurgica</i> , <b>2018</b> , 160, 2087-2097	3	15
84	Letter to the editor: lung metastasis in WHO grade I meningioma. <i>Neurological Sciences</i> , <b>2018</b> , 39, 1781-1783	3	3
83	Spinal Dural Arteriovenous Fistula: Is There a Role for Intraoperative Contrast-Enhanced Ultrasound?. <i>World Neurosurgery</i> , <b>2017</b> , 100, 712.e15-712.e18	2.1	18
82	Pattern of care and outcome in elderly patients with glioblastoma: Data in 151 patients from 3 Lombardia Hospitals. <i>Journal of the Neurological Sciences</i> , <b>2017</b> , 378, 3-8	3.2	10
81	Contrast-enhanced MR Imaging versus Contrast-enhanced US: A Comparison in Glioblastoma Surgery by Using Intraoperative Fusion Imaging. <i>Radiology</i> , <b>2017</b> , 285, 242-249	20.5	37
80	Wnt5a Drives an Invasive Phenotype in Human Glioblastoma Stem-like Cells. <i>Cancer Research</i> , <b>2017</b> , 77, 996-1007	10.1	54
79	The semisitting position: analysis of the risks and surgical outcomes in a contemporary series of 425 adult patients undergoing cranial surgery. <i>Journal of Neurosurgery</i> , <b>2017</b> , 127, 867-876	3.2	21
78	Differentiating brain radionecrosis from tumour recurrence: a role for contrast-enhanced ultrasound?. <i>Acta Neurochirurgica</i> , <b>2017</b> , 159, 2405-2408	3	8
77	Mutations targeting the coagulation pathway are enriched in brain metastases. <i>Scientific Reports</i> , <b>2017</b> , 7, 6573	4.9	6
76	Intramedullary cavernoma: A surgical resection technique. <i>Neurochirurgie</i> , <b>2017</b> , 63, 426-429	1.4	4

75	Effect of Tumor-Treating Fields Plus Maintenance Temozolomide vs Maintenance Temozolomide Alone on Survival in Patients With Glioblastoma: A Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , <b>2017</b> , 318, 2306-2316	27.4	875
74	Short course radiotherapy concomitant with temozolomide in GBM patients: a phase II study. <i>Tumori</i> , <b>2017</b> , 103, 457-463	1.7	3
73	Multisession Radiosurgery for Sellar and Parasellar Benign Meningiomas: Long-term Tumor Growth Control and Visual Outcome. <i>Neurosurgery</i> , <b>2016</b> , 78, 638-46	3.2	28
72	Intraoperative cerebral ultrasound for third ventricle colloid cyst removal: case report. <i>Journal of Ultrasound</i> , <b>2016</b> , 19, 211-5	3.4	3
71	Hand-tool-tissue interaction forces in neurosurgery for haptic rendering. <i>Medical and Biological Engineering and Computing</i> , <b>2016</b> , 54, 1229-41	3.1	8
70	Tumor-initiating cell frequency is relevant for glioblastoma aggressiveness. <i>Oncotarget</i> , <b>2016</b> , 7, 71491-71503	3.5	9
69	Image guidance in skull base tumor resection: A synergistic approach using intraoperative navigated angiosonography for real-time vessel visualization. <i>Surgical Neurology International</i> , <b>2016</b> , 7, 82	1	2
68	Contrast-Enhanced Ultrasound (CEUS) in Neurosurgery <b>2016</b> , 159-169		1
67	Echographic Brain Semeiology and Topographic Anatomy According to Surgical Approaches <b>2016</b> , 29-39		2
66	Identification of residual tumor with intraoperative contrast-enhanced ultrasound during glioblastoma resection. <i>Neurosurgical Focus</i> , <b>2016</b> , 40, E7	4.2	72
65	Chronic dorsal subdural haematoma: single aetiology for CNS superficial siderosis and myelopathy. <i>Acta Neurochirurgica</i> , <b>2016</b> , 158, 1129-31	3	
64	Neurosurgical tools to extend tumor resection in hemispheric low-grade gliomas: conventional and contrast enhanced ultrasonography. <i>Childs Nervous System</i> , <b>2016</b> , 32, 1907-14	1.7	16
63	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> , <b>2016</b> , 41, E14	4.2	35
62	Health Literacy and Pseudoliteracy in Neurosurgery: the "C. Besta" Experience. <i>World Neurosurgery</i> , <b>2015</b> , 84, 1541-3	2.1	3
61	Comprehensive, Integrative Genomic Analysis of Diffuse Lower-Grade Gliomas. <i>New England Journal of Medicine</i> , <b>2015</b> , 372, 2481-98	59.2	1828
60	Radiosurgery reirradiation for high-grade glioma recurrence: a retrospective analysis. <i>Neurological Sciences</i> , <b>2015</b> , 36, 1431-40	3.5	23
59	Intraoperative cerebral angiosonography with ultrasound contrast agents: how I do it. <i>Acta Neurochirurgica</i> , <b>2015</b> , 157, 1025-9	3	35
58	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. <i>Neurosurgical Focus</i> , <b>2015</b> , 39, E17	4.2	24



57	Intraoperative Navigated Angiosonography for Skull Base Tumor Surgery. <i>World Neurosurgery</i> , <b>2015</b> , 84, 1699-707	2.1	32
56	From Grey Scale B-Mode to Elastosonography: Multimodal Ultrasound Imaging in Meningioma Surgery-Pictorial Essay and Literature Review. <i>BioMed Research International</i> , <b>2015</b> , 2015, 925729	3	36
55	In reply: Using contrast-enhanced ultrasound for brain tumor surgery. <i>Neurosurgery</i> , <b>2015</b> , 76, E105-6	3.2	1
54	Polymeric nanoparticles for nonviral gene therapy extend brain tumor survival in vivo. <i>ACS Nano</i> , <b>2015</b> , 9, 1236-49	16.7	166
53	Neoplastic Disorders <b>2015</b> , 331-348		
52	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> , <b>2014</b> , 16, 719-27	1	53
51	Fusion imaging for intra-operative ultrasound-based navigation in neurosurgery. <i>Journal of Ultrasound</i> , <b>2014</b> , 17, 243-51	3.4	47
50	Intraoperative ultrasound in spinal tumor surgery. <i>Journal of Ultrasound</i> , <b>2014</b> , 17, 195-202	3.4	26
49	Involvement of the CXCL12/CXCR4/CXCR7 Axis in Brain Metastases <b>2014</b> , 25-36		1
48	Intraoperative cerebral glioma characterization with contrast enhanced ultrasound. <i>BioMed Research International</i> , <b>2014</b> , 2014, 484261	3	57
47	Intraoperative contrast-enhanced ultrasound for brain tumor surgery. <i>Neurosurgery</i> , <b>2014</b> , 74, 542-52; discussion 552	3.2	133
46	The somatic genomic landscape of glioblastoma. <i>Cell</i> , <b>2013</b> , 155, 462-77	56.2	2900
45	Craniotomy vs. craniectomy for posterior fossa tumors: a prospective study to evaluate complications after surgery. <i>Acta Neurochirurgica</i> , <b>2013</b> , 155, 2281-6	3	32
44	Risk of seizures during intraoperative electrocortical stimulation of brain motor areas: a retrospective study on 50 patients. <i>Neurological Sciences</i> , <b>2013</b> , 34, 63-70	3.5	15
43	Perioperative thromboprophylaxis in patients with craniotomy for brain tumours: a systematic review. <i>Journal of Neuro-Oncology</i> , <b>2013</b> , 113, 293-303	4.8	50
42	Practical assessment of preoperative functional mapping techniques: navigated transcranial magnetic stimulation and functional magnetic resonance imaging. <i>Neurological Sciences</i> , <b>2013</b> , 34, 1551-7	3.5	19
41	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> , <b>2013</b> , 118, 821-9	3.2	25
40	Podocalyxin-like protein is expressed in glioblastoma multiforme stem-like cells and is associated with poor outcome. <i>PLoS ONE</i> , <b>2013</b> , 8, e75945	3.7	33



39	Outcome and clinico-biological characteristics of advanced breast cancer patients with surgically resected brain metastases: a multidisciplinary approach. <i>Ecancermedicalscience</i> , <b>2013</b> , 7, 309	2.7	1
38	The EphA2 receptor drives self-renewal and tumorigenicity in stem-like tumor-propagating cells from human glioblastomas. <i>Cancer Cell</i> , <b>2012</b> , 22, 765-80	24.3	153
37	Aphasia induced by gliomas growing in the ventrolateral frontal region: assessment with diffusion MR tractography, functional MR imaging and neuropsychology. <i>Cortex</i> , <b>2012</b> , 48, 255-72	3.8	64
36	Decrease in circulating endothelial progenitor cells in treated glioma patients. <i>Journal of Neuro-Oncology</i> , <b>2012</b> , 108, 123-9	4.8	14
35	Spinal cord herniation: management and outcome in a series of 12 consecutive patients and review of the literature. <i>Acta Neurochirurgica</i> , <b>2012</b> , 154, 723-30	3	26
34	Chemotherapy for brain tumors with polymer drug delivery. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , <b>2012</b> , 104, 339-53	3	8
33	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> , <b>2012</b> , 11, M111.010744	7.6	100
32	Application of an aviation model of incident reporting and investigation to the neurosurgical scenario: method and preliminary data. <i>Neurosurgical Focus</i> , <b>2012</b> , 33, E7	4.2	16
31	Surgical Management of Low-Grade Gliomas <b>2012</b> , 111-126		1
30	Expression of the new CXCL12 receptor, CXCR7, in gliomas. <i>Cancer Biology and Therapy</i> , <b>2011</b> , 11, 242-53	4.6	38
29	Glycoproteomic analysis of glioblastoma stem cell differentiation. <i>Journal of Proteome Research</i> , <b>2011</b> , 10, 330-8	5.6	27
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