

Marcos Tatagiba

List of Publications by Year in descending order

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125
papers

5,035
citations

81900

39
h-index

98798

67
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127
all docs

127
docs citations

127
times ranked

4259
citing authors

#	ARTICLE	IF	CITATIONS
1	The Neuroimaging and Clinical Spectrum of Neurofibromatosis 2. <i>Neurosurgery</i> , 1996, 38, 880-886.	1.1	265
2	Surgical treatment of trigeminal schwannomas. <i>Journal of Neurosurgery</i> , 1995, 82, 711-718.	1.6	223
3	Management of Vestibular Schwannomas (Acoustic Neuromas): Auditory and Facial Nerve Function after Resection of 120 Vestibular Schwannomas in Patients with Neurofibromatosis 2. <i>Neurosurgery</i> , 1997, 40, 696-706.	1.1	202
4	Retrosigmoid intradural suprameatal approach to Meckel's cave and the middle fossa: surgical technique and outcome. <i>Journal of Neurosurgery</i> , 2000, 92, 235-241.	1.6	199
5	Surgical treatment of jugular foramen schwannomas. <i>Journal of Neurosurgery</i> , 1995, 82, 924-932.	1.6	192
6	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
7	Molecular Markers in Low-Grade Gliomas: Predictive or Prognostic?. <i>Clinical Cancer Research</i> , 2011, 17, 4588-4599.	7.0	179
8	Surgical treatment of epidermoid cysts of the cerebellopontine angle. <i>Journal of Neurosurgery</i> , 1996, 84, 14-19.	1.6	163
9	The impact of hypotension due to the trigeminocardiac reflex on auditory function in vestibular schwannoma surgery. <i>Journal of Neurosurgery</i> , 2006, 104, 369-375.	1.6	112
10	Hybrid Neurofibroma/Schwannoma is Overrepresented Among Schwannomatosis and Neurofibromatosis Patients. <i>American Journal of Surgical Pathology</i> , 2012, 36, 702-709.	3.7	109
11	Low-grade Glioma Surgery in Intraoperative Magnetic Resonance Imaging. <i>Neurosurgery</i> , 2016, 78, 775-786.	1.1	109
12	Neurofibromatosis 2 in the Pediatric Age Group. <i>Neurosurgery</i> , 1993, 33, 92-96.	1.1	109
13	The significance for postoperative hearing of preserving the labyrinth in acoustic neurinoma surgery. <i>Journal of Neurosurgery</i> , 1992, 77, 677-684.	1.6	101
14	Surgical Management of Craniopharyngiomas: A Review. <i>Neurologia Medico-Chirurgica</i> , 1997, 37, 141-149.	2.2	92
15	Facial Nerve Monitoring During Cerebellopontine Angle and Skull Base Tumor Surgery: A Systematic Review from Description to Current Success on Function Prediction. <i>World Neurosurgery</i> , 2013, 80, e271-e300.	1.3	90
16	Malignant Glioma Cells Counteract Antitumor Immune Responses through Expression of Lectin-Like Transcript-1. <i>Cancer Research</i> , 2007, 67, 3540-3544.	0.9	87
17	Phenotypic variability associated with 14 splice-site mutations in the NF2 Gene. , 1998, 77, 228-233.		86
18	Microendoscopy of the Internal Auditory Canal in Vestibular Schwannoma Surgery. <i>Neurosurgery</i> , 1996, 38, 737-740.	1.1	80

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19	Surgical Management of Meningiomas Originating in Meckel's Cave. <i>Neurosurgery</i> , 1997, 41, 767-775.	1.1	77
20	Intracanalicular Acoustic Neurinomas. <i>Neurosurgery</i> , 1991, 29, 189-199.	1.1	75
21	Proliferation potential and histological features in neurofibromatosis 2-associated and sporadic meningiomas. <i>Journal of Neurosurgery</i> , 1997, 87, 610-614.	1.6	73
22	Brachial plexus neurotization with donor phrenic nerves and its effect on pulmonary function. <i>Journal of Neurosurgery</i> , 2002, 96, 523-526.	1.6	70
23	Patient response to awake craniotomy – a summary overview. <i>Acta Neurochirurgica</i> , 2014, 156, 1063-1070.	1.7	70
24	The role of the right superior temporal gyrus in visual search – Insights from intraoperative electrical stimulation. <i>Neuropsychologia</i> , 2006, 44, 2578-2581.	1.6	69
25	Meningiomas of the tentorial notch: surgical anatomy and management. <i>Journal of Neurosurgery</i> , 1996, 84, 375-381.	1.6	68
26	Surgical Management of High Jugular Bulb in Acoustic Neurinoma Via Retrosigmoid Approach. <i>Neurosurgery</i> , 1993, 32, 32-37.	1.1	64
27	Peritumoral Blood Flow in Intracranial Meningiomas. <i>Neurosurgery</i> , 1991, 28, 400-404.	1.1	60
28	Pharmacotherapy of Epileptic Seizures in Glioma Patients: Who, When, Why and How Long?. <i>Oncology Research and Treatment</i> , 2005, 28, 391-396.	1.2	59
29	Screening for large mutations of the NF2 gene. <i>Genes Chromosomes and Cancer</i> , 2005, 42, 384-391.	2.8	58
30	Craniopharyngioma surgery. <i>Pituitary</i> , 2008, 11, 361-373.	2.9	58
31	“Imagine your neighbor mows the lawn” – a pilot study of psychological sequelae due to awake craniotomy. <i>Journal of Neurosurgery</i> , 2013, 118, 1288-1295.	1.6	58
32	Therapeutic options for meningeal melanocytoma. <i>Journal of Neurosurgery: Spine</i> , 2001, 95, 225-231.	1.7	54
33	Meningeal Melanocytoma of the C8 Nerve Root. <i>Neurosurgery</i> , 1992, 31, 958-961.	1.1	50
34	Cystic Schwannomas of the Jugular Foramen: Clinical and Surgical Remarks. <i>Neurosurgery</i> , 2000, 46, 560-566.	1.1	49
35	Acoustic Neurinoma in the Elderly. <i>Neurosurgery</i> , 1992, 31, 615-620.	1.1	49
36	Polymorphisms in TGFB1 and PDGFRB are associated with Moyamoya disease in European patients. <i>Acta Neurochirurgica</i> , 2010, 152, 2153-2160.	1.7	46

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37	Longitudinal Expression Analysis of α v Integrins in Human Gliomas Reveals Upregulation of Integrin α v β 3 as a Negative Prognostic Factor. <i>Journal of Neuropathology and Experimental Neurology</i> , 2013, 72, 194-210.	1.7	46
38	Intravenous and oral levetiracetam in patients with a suspected primary brain tumor and symptomatic seizures undergoing neurosurgery: the HELLO trial. <i>Acta Neurochirurgica</i> , 2012, 154, 229-235.	1.7	45
39	Identification of Tumor Antigens Among the HLA Peptidomes of Glioblastoma Tumors and Plasma. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 1255-1268.	3.8	45
40	Loss of H3K27me3 in meningiomas. <i>Neuro-Oncology</i> , 2021, 23, 1282-1291.	1.2	45
41	Differentiating imaging findings in primary and secondary tumors of the jugular foramen. <i>Neurosurgical Review</i> , 2006, 29, 1-11.	2.4	42
42	A novel third type of recurrent NF1 microdeletion mediated by nonallelic homologous recombination between LRRC37B-containing low-copy repeats in 17q11.2. <i>Human Mutation</i> , 2010, 31, 742-751.	2.5	42
43	Identification of Tumor Antigens Among the HLA Peptidomes of Glioblastoma Tumors and Plasma. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 2132-2145.	3.8	41
44	Genetics of Moyamoya disease. <i>Journal of Human Genetics</i> , 2010, 55, 711-716.	2.3	39
45	Analysis of ACTA2 in European Moyamoya disease patients. <i>European Journal of Paediatric Neurology</i> , 2011, 15, 117-122.	1.6	38
46	Measles Virus-Based Treatments Trigger a Pro-inflammatory Cascade and a Distinctive Immunopeptidome in Glioblastoma. <i>Molecular Therapy - Oncolytics</i> , 2019, 12, 147-161.	4.4	38
47	Acoustic Neurinoma in the Elderly. <i>Neurosurgery</i> , 1992, 31, 615-620.	1.1	37
48	Residual γ H2AX foci after ex vivo irradiation of patient samples with known tumour-type specific differences in radio-responsiveness. <i>Radiotherapy and Oncology</i> , 2015, 116, 480-485.	0.6	37
49	Preservation of Function in Vestibular Schwannoma Surgery. <i>Operative Neurosurgery</i> , 2007, 60, ONS-124-ONS-128.	0.8	35
50	H3K27me3 loss indicates an increased risk of recurrence in the Tübingen meningioma cohort. <i>Neuro-Oncology</i> , 2021, 23, 1273-1281.	1.2	34
51	Presymptomatic diagnosis for children of sporadic neurofibromatosis 2 patients: A method based on tumor analysis. <i>Genetics in Medicine</i> , 2002, 4, 27-30.	2.4	32
52	Endoscopic-Assisted Posterior Intradural Petrous Apicectomy in Petroclival Meningiomas: A Clinical Series and Assessment of Perioperative Morbidity. <i>World Neurosurgery</i> , 2015, 84, 1708-1718.	1.3	32
53	Prophylactic nimodipine treatment for cochlear and facial nerve preservation after vestibular schwannoma surgery: a randomized multicenter Phase III trial. <i>Journal of Neurosurgery</i> , 2016, 124, 657-664.	1.6	32
54	Vestibular schwannoma surgery via the retrosigmoid transmeatal approach. <i>Acta Neurochirurgica</i> , 2014, 156, 421-425.	1.7	31

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55	Management of Petroclival Meningiomas: A Critical Analysis of Surgical Treatment. , 1996, 65, 92-94.		31
56	Surgery for Diffuse WHO Grade II Gliomas: Volumetric Analysis of a Multicenter Retrospective Cohort From the German Study Group for Intraoperative Magnetic Resonance Imaging. Neurosurgery, 2020, 86, E64-E74.	1.1	30
57	Targeting CSF1R Alone or in Combination with PD1 in Experimental Glioma. Cancers, 2021, 13, 2400.	3.7	28
58	Microsurgical and Endoscopic Anatomy of the Retrosigmoid Intradural Suprameatal Approach to Lesions Extending from the Posterior Fossa to the Central Skull Base. Skull Base, 2009, 19, 319-323.	0.4	26
59	Targetable ERBB2 mutations identified in neurofibroma/schwannoma hybrid nerve sheath tumors. Journal of Clinical Investigation, 2020, 130, 2488-2495.	8.2	23
60	Epidermoid cysts of the cavernous sinus. World Neurosurgery, 2005, 64, 428-433.	1.3	22
61	Sporadic Unilateral Vestibular Schwannoma with Islets of Meningioma: Case Report. Neurosurgery, 2000, 47, 451-454.	1.1	21
62	Genetic and Clinical Characteristics of Moyamoya Disease in Europeans. Acta Neurochirurgica Supplementum, 2011, 112, 31-34.	1.0	21
63	The Prognostic Impact of Ventricular Opening in Glioblastoma Surgery: A Retrospective Single Center Analysis. World Neurosurgery, 2017, 106, 615-624.	1.3	19
64	Electrical Stimulation of the Human Homolog of the Medial Superior Temporal Area Induces Visual Motion Blindness. Journal of Neuroscience, 2013, 33, 18288-18297.	3.6	18
65	To treat or not to treat? A retrospective multicenter assessment of survival in patients with IDH-mutant low-grade glioma based on adjuvant treatment. Journal of Neurosurgery, 2020, 133, 273-280.	1.6	18
66	Management of NF2-associated vestibular schwannomas in children and young adults: influence of surgery and clinical factors on tumor volume and growth rate. Journal of Neurosurgery: Pediatrics, 2019, 24, 584-592.	1.3	17
67	Analysis of TGFBI in European and Japanese Moyamoya disease patients. European Journal of Medical Genetics, 2012, 55, 531-534.	1.3	16
68	Evaluation of the Predictive Value of Intraoperative Changes in Motor-Evoked Potentials of Caudal Cranial Nerves for the Postoperative Functional Outcome. World Neurosurgery, 2016, 95, 329-334.	1.3	16
69	Impact of Surgery on Long-Term Results of Hearing in Neurofibromatosis Type-2 Associated Vestibular Schwannomas. Cancers, 2019, 11, 1376.	3.7	15
70	Brachial Plexus Injury. Journal of Neurosurgery, 2005, 102, 403-4; author reply 404.	1.6	14
71	Dural Landmark to Locate the Internal Auditory Canal in Large and Giant Vestibular Schwannomas: The TÅ¼bingen Line. Operative Neurosurgery, 2011, 69, ons99-ons102.	0.8	14
72	Intraoperative Brainstem Auditory Evoked Potential Observations After Trigemino-cardiac Reflex During Cerebellopontine Angle Surgery. Journal of Neurosurgical Anesthesiology, 2010, 22, 347-353.	1.2	13

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73	Confirmation of R132H mutation of isocitrate dehydrogenase 1 as an independent prognostic factor in anaplastic astrocytoma. <i>Acta Neuropathologica</i> , 2011, 122, 651-652.	7.7	13
74	Tumors of the Jugular Foramen. <i>Neurosurgery Quarterly</i> , 1996, 6, 176-193.	0.1	12
75	Safety, Utility, and Clinical Results of Continuous Intraoperative Electrophysiologic Monitoring in 1.5T iMRI-Guided Surgery. <i>World Neurosurgery</i> , 2017, 106, 198-205.	1.3	12
76	Differences in the expression of SSTR1 ⁵ in meningiomas and its therapeutic potential. <i>Neurosurgical Review</i> , 2021, , 1.	2.4	12
77	The role of the trigeminocardiac reflex in postoperative hearing function in non-vestibular schwannoma cerebellopontine angle tumors. <i>Journal of Clinical Neuroscience</i> , 2011, 18, 237-240.	1.5	11
78	Presenting symptoms in children with neurofibromatosis type 2. <i>Child's Nervous System</i> , 2020, 36, 2463-2470.	1.1	11
79	Telomerase reverse transcriptase promoter mutation ⁵ and O6-methylguanine DNA methyltransferase promoter methylation ⁶ mediated sensitivity to temozolomide in isocitrate dehydrogenase ¹ wild-type glioblastoma: is there a link?. <i>European Journal of Cancer</i> , 2021, 147, 84-94.	2.8	10
80	Microendoscopy of the Internal Auditory Canal in Vestibular Schwannoma Surgery. <i>Neurosurgery</i> , 1996, , 737-740.	1.1	10
81	Topographic Changes in Petrous Bone Anatomy in the Presence of a Vestibular Schwannoma and Implications for the Retrosigmoid Transmeatal Approach. <i>Operative Neurosurgery</i> , 2014, 10, 481-486.	0.8	8
82	Quality of Life After Vestibular Schwannoma Surgery: A Question of Perspective. <i>Frontiers in Oncology</i> , 2021, 11, 770789.	2.8	8
83	Tissue metabolites in diffuse glioma and their modulations by IDH1 mutation, histology, and treatment. <i>JCI Insight</i> , 2022, 7, .	5.0	8
84	Complete and Incomplete Resection for Progressive Glioblastoma Prolongs Post-Progression Survival. <i>Frontiers in Oncology</i> , 2022, 12, 755430.	2.8	8
85	The Impact of Petrosal Vein Preservation on Postoperative Auditory Function in Surgery of Petrous Apex Meningiomas. <i>Operative Neurosurgery</i> , 2006, 59, ONS-68-ONS-74.	0.8	7
86	The midline suboccipital subtonsillar approach to the cerebellomedullary cistern and its structures: Anatomical considerations, surgical technique and clinical application. <i>Clinical Neurology and Neurosurgery</i> , 2014, 125, 98-105.	1.4	7
87	Managing NF2-associated vestibular schwannomas in children and young adults: review of an institutional series regarding effects of surgery and bevacizumab on growth rates, tumor volume, and hearing quality. <i>Child's Nervous System</i> , 2020, 36, 2471-2480.	1.1	7
88	Argyris F Treatment ¹ Induced Vulnerabilities Lead to a Novel Combination Therapy in Experimental Glioma. <i>Advanced Therapeutics</i> , 2021, 4, 2100078.	3.2	7
89	Evolution in Surgical Treatment of Vestibular Schwannomas. <i>Current Otorhinolaryngology Reports</i> , 0, , 1.	0.5	7
90	Frequent FGFR1 hotspot alterations in driver-unknown low-grade glioma and mixed neuronal-glioma tumors. <i>Journal of Cancer Research and Clinical Oncology</i> , 2022, 148, 857-866.	2.5	7

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91	Age at Onset and Presenting Symptoms of Neurofibromatosis Type 2 as Prognostic Factors for Clinical Course of Vestibular Schwannomas. <i>Cancers</i> , 2020, 12, 2355.	3.7	6
92	Technical limitations and pitfalls of diffusion-weighted imaging in intraoperative high-field MRI. <i>Neurosurgical Review</i> , 2021, 44, 327-334.	2.4	6
93	Surgical Management of Sporadic Peripheral Nerve Schwannomas in Adults: Indications and Outcome in a Single Center Cohort. <i>Cancers</i> , 2021, 13, 1017.	3.7	6
94	Surgical Management of High Jugular Bulb in Acoustic Neurinoma Via Retrosigmoid Approach. <i>Neurosurgery</i> , 1993, 32, 327-337.	1.1	6
95	Management of non-vestibular schwannomas in adult patients: a systematic review and consensus statement on behalf of the EANS skull base section Part II: Trigeminal and facial nerve schwannomas (CN V, VII). <i>Acta Neurochirurgica</i> , 2022, 164, 299-319.	1.7	6
96	Letter to the Editor: Petroclival tumors. <i>Journal of Neurosurgery</i> , 2013, 119, 526-528.	1.6	5
97	Focus on the Lateral Incisural Space: Where is the Trochlear Nerve?. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2013, 74, 271-273.	0.8	5
98	Interoptic, Trans-lamina Terminalis, Opticocarotid Triangle, and Caroticosylvian Windows From Mini-Supraorbital, Frontomedial, and Pterional Perspectives: A Comparative Cadaver Study With Artificial Lesions. <i>Frontiers in Surgery</i> , 2019, 6, 40.	1.4	5
99	Vestibular Schwannoma: Current State of the Art. , 2014, , 265-283.		5
100	Management of non-vestibular schwannomas in adult patients: a systematic review and consensus statement on behalf of the EANS skull base section Part III: Lower cranial nerve schwannomas, jugular foramen (CN IX, X, XI) and hypoglossal schwannoma (XII). <i>Acta Neurochirurgica</i> , 2022, 164, 321-329.	1.7	5
101	Multicentric Registry Study on Epidemiological and Biological Disease Profile as Well as Clinical Outcome in Patients with Low-Grade Gliomas: The LoG-Glio Project. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2020, 81, 048-057.	0.8	4
102	Surgical management of peripheral nerve sheath tumours in children, with special consideration of neurofibromatoses. <i>Child's Nervous System</i> , 2020, 36, 2433-2442.	1.1	4
103	COX2 expression is associated with preoperative tumor volume but not with volumetric tumor growth in vestibular schwannoma. <i>Neurological Research and Practice</i> , 2021, 3, 11.	2.0	4
104	Cortical and subcortical gray matter changes in patients with chronic tinnitus sustaining after vestibular schwannoma surgery. <i>Scientific Reports</i> , 2021, 11, 8411.	3.3	4
105	Retrosigmoid Approach to the Posterior and Middle Fossae. , 2008, , 137-153.		4
106	High-Resolution Three-Dimensional Computed Tomography for Assessing Complications Related to Intrathecal Drug Delivery. <i>Pain Physician</i> , 2016, 19, E775-80.	0.4	4
107	Chordomas and Chondrosarcomas. , 2008, , 109-120.		3
108	Vestibular Schwannoma: Current State of the Art. , 2008, , 175-187.		3

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109	Eloquent Lower Grade Gliomas, a Highly Vulnerable Cohort: Assessment of Patients' Functional Outcome After Surgery Based on the LoG-Glio Registry. <i>Frontiers in Oncology</i> , 2022, 12, 845992.	2.8	3
110	Cystic Schwannomas of the Jugular Foramen: Clinical and Surgical Remarks. <i>Neurosurgery</i> , 2000, 47, 1470-1471.	1.1	2
111	Corticosteroid-responsive aseptic meningitis during regorafenib treatment. <i>Neuro-Oncology Practice</i> , 2019, 6, 508-509.	1.6	2
112	Experimental glioma with high bHLH expression harbor increased replicative stress and are sensitive toward ATR inhibition. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa115.	0.7	2
113	Assessment and Surgical Management of Posterior Fossa Epidermoid Tumors: Report of 28 Cases. <i>Neurosurgery</i> , 1998, 42, 252-252.	1.1	1
114	Chordomas and Chondrosarcomas. , 2014, , 185-198.		1
115	Retrosigmoid Transmeatal Endoscope-Assisted Approach in Semi-Sitting Position for Resection of Vestibular Schwannoma: 2-D operative Video. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2018, 79, S385-S386.	0.8	1
116	Risk Stratification for Immediate Postoperative Hearing Loss by Preoperative BAER (Brainstem Auditory) Tj ETQq0 0,0,rgBT /Overlock 10	3.7	1
117	Î³H2AX foci assay in glioblastoma: Surgical specimen versus corresponding stem cell culture. <i>Radiotherapy and Oncology</i> , 2021, 159, 119-125.	0.6	1
118	Basic Principles of Skull Base Surgery. , 2011, , 1267-1284.		1
119	Retrosigmoid intradural suprameatal approach to Meckel's cave and the middle fossa: surgical technique and outcome. <i>Neurosurgical Focus</i> , 1999, 7, E1.	2.3	0
120	Dissociated Language Functions: A Matter of Atypical Language Lateralization or Cerebral Plasticity?. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2014, 75, 064-069.	0.8	0
121	MNGI-11. LONGITUDINAL GENOMIC ANALYSIS OF SPORADIC MENINGIOMAS WITH MULTIPLE RECURRENCES. <i>Neuro-Oncology</i> , 2018, 20, vi150-vi150.	1.2	0
122	Resection of a Petroclival Meningioma via the Endoscope-Assisted Retrosigmoid Approach: 2-D Operative Video. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2018, 79, S395-S396.	0.8	0
123	Midline Suboccipital Subtonsillar Approach with C1 Laminectomy for Resection of Foramen Magnum Meningioma: 2-Dimensional Operative Video. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2019, 80, S365-S367.	0.8	0
124	Retrosigmoid Approach to the Posterior and Middle Fossa. , 2014, , 217-235.		0
125	Tumors of the Craniocervical Junction: Overview and Update. , 2014, , 417-431.		0