

Marco Rossi

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

1,298
citations

361413

20
h-index

395702

33
g-index

64
all docs

64
docs citations

64
times ranked

1720
citing authors

#	ARTICLE	IF	CITATIONS
1	Deciphering the complex role of thrombospondin-1 in glioblastoma development. <i>Nature Communications</i> , 2019, 10, 1146.	12.8	143
2	Maximize surgical resection beyond contrast-enhancing boundaries in newly diagnosed glioblastoma multiforme: is it useful and safe? A single institution retrospective experience. <i>Journal of Neuro-Oncology</i> , 2017, 135, 129-139.	2.9	116
3	Prognostic value of molecular and imaging biomarkers in patients with supratentorial glioma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 1155-1164.	6.4	76
4	Association of supratotal resection with progression-free survival, malignant transformation, and overall survival in lower-grade gliomas. <i>Neuro-Oncology</i> , 2021, 23, 812-826.	1.2	60
5	Preserving executive functions in nondominant frontal lobe glioma surgery: an intraoperative tool. <i>Journal of Neurosurgery</i> , 2019, 131, 474-480.	1.6	54
6	The role of CXCR3/LRP1 cross-talk in the invasion of primary brain tumors. <i>Nature Communications</i> , 2017, 8, 1571.	12.8	51
7	OUP accepted manuscript. <i>Brain</i> , 2019, 142, 2451-2465.	7.6	49
8	Anatomo-functional characterisation of the human "hand-knob": A direct electrophysiological study. <i>Cortex</i> , 2019, 113, 239-254.	2.4	44
9	Glioma biopsies Classification Using Raman Spectroscopy and Machine Learning Models on Fresh Tissue Samples. <i>Cancers</i> , 2021, 13, 1073.	3.7	42
10	Assessment of the praxis circuit in glioma surgery to reduce the incidence of postoperative and long-term apraxia: a new intraoperative test. <i>Journal of Neurosurgery</i> , 2018, 130, 17-27.	1.6	41
11	Functional Characterization of the Left Ventrolateral Premotor Cortex in Humans: A Direct Electrophysiological Approach. <i>Cerebral Cortex</i> , 2018, 28, 167-183.	2.9	35
12	Is supratotal resection achievable in low-grade gliomas? Feasibility, putative factors, safety, and functional outcome. <i>Journal of Neurosurgery</i> , 2020, 132, 1692-1705.	1.6	35
13	Preoperative surgical planning of glioma: limitations and reliability of fMRI and DTI tractography. <i>Journal of Neurosurgical Sciences</i> , 2019, 63, 127-134.	0.6	34
14	Consequences of brain tumour resection on emotion recognition. <i>Journal of Neuropsychology</i> , 2019, 13, 1-21.	1.4	33
15	Resection of tumors within the primary motor cortex using high-frequency stimulation: oncological and functional efficiency of this versatile approach based on clinical conditions. <i>Journal of Neurosurgery</i> , 2020, 133, 642-654.	1.6	32
16	Role of Surgical Resection in Patients with Single Large Brain Metastases: Feasibility, Morbidity, and Local Control Evaluation. <i>World Neurosurgery</i> , 2016, 94, 6-12.	1.3	31
17	Direct Electrical Stimulation of Premotor Areas: Different Effects on Hand Muscle Activity during Object Manipulation. <i>Cerebral Cortex</i> , 2020, 30, 391-405.	2.9	29
18	Imaging practice in low-grade gliomas among European specialized centers and proposal for a minimum core of imaging. <i>Journal of Neuro-Oncology</i> , 2018, 139, 699-711.	2.9	26

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19	Clinical Pearls and Methods for Intraoperative Motor Mapping. <i>Neurosurgery</i> , 2021, 88, 457-467.	1.1	26
20	Frameless stereotactic biopsy for precision neurosurgery: diagnostic value, safety, and accuracy. <i>Acta Neurochirurgica</i> , 2019, 161, 967-974.	1.7	24
21	Raman Spectroscopy and Machine Learning for IDH Genotyping of Unprocessed Glioma Biopsies. <i>Cancers</i> , 2021, 13, 4196.	3.7	23
22	Broca's Area as a Pre-articulatory Phonetic Encoder: Gating the Motor Program. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 64.	2.0	18
23	Innovation in Neurosurgery: The Concept of Cognitive Mapping. <i>World Neurosurgery</i> , 2019, 131, 364-370.	1.3	18
24	Mapping in Low-Grade Glioma Surgery. <i>Neurosurgery Clinics of North America</i> , 2019, 30, 55-63.	1.7	17
25	Intraoperative Computed Tomography and Finite Element Modelling for Multimodal Image Fusion in Brain Surgery. <i>Operative Neurosurgery</i> , 2020, 18, 531-541.	0.8	17
26	Asleep or awake motor mapping for resection of perirolandic glioma in the nondominant hemisphere? Development and validation of a multimodal score to tailor the surgical strategy. <i>Journal of Neurosurgery</i> , 2022, 136, 16-29.	1.6	17
27	Surgical resection of cavernous angioma located within eloquent brain areas: International survey of the practical management among 19 specialized centers. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2019, 69, 31-40.	2.0	16
28	Robust Deep Learning-based Segmentation of Glioblastoma on Routine Clinical MRI Scans Using Sparsified Training. <i>Radiology: Artificial Intelligence</i> , 2020, 2, e190103.	5.8	16
29	Are three weeks hypofractionated radiation therapy (HFRT) comparable to six weeks for newly diagnosed glioblastoma patients? Results of a phase II study. <i>Oncotarget</i> , 2017, 8, 67696-67708.	1.8	16
30	Quantifying eloquent locations for glioblastoma surgery using resection probability maps. <i>Journal of Neurosurgery</i> , 2021, 134, 1091-1101.	1.6	14
31	Factors Influencing Mood Disorders and Health Related Quality of Life in Adults With Glioma: A Longitudinal Study. <i>Frontiers in Oncology</i> , 2021, 11, 662039.	2.8	14
32	The role of left fronto-parietal tracts in hand selection: Evidence from neurosurgery. <i>Cortex</i> , 2020, 128, 297-311.	2.4	13
33	Large scale networks for human hand-object interaction: Functionally distinct roles for two premotor regions identified intraoperatively. <i>NeuroImage</i> , 2020, 204, 116215.	4.2	12
34	Preserving Visual Functions During Gliomas Resection: Feasibility and Efficacy of a Novel Intraoperative Task for Awake Brain Surgery. <i>Frontiers in Oncology</i> , 2020, 10, 1485.	2.8	11
35	Challenging Giant Insular Gliomas With Brain Mapping: Evaluation of Neurosurgical, Neurological, Neuropsychological, and Quality of Life Results in a Large Mono-Institutional Series. <i>Frontiers in Oncology</i> , 2021, 11, 629166.	2.8	11
36	Targeting Primary Motor Cortex (M1) Functional Components in M1 Gliomas Enhances Safe Resection and Reveals M1 Plasticity Potentials. <i>Cancers</i> , 2021, 13, 3808.	3.7	11

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37	Lower Grade Gliomas: Relationships Between Metabolic and Structural Imaging with Grading and Molecular Factors. <i>World Neurosurgery</i> , 2019, 126, e270-e280.	1.3	10
38	Glioblastoma Surgery Imagingâ€“Reporting and Data System: Validation and Performance of the Automated Segmentation Task. <i>Cancers</i> , 2021, 13, 4674.	3.7	9
39	Stimulation of frontal pathways disrupts hand muscle control during object manipulation. <i>Brain</i> , 2022, 145, 1535-1550.	7.6	9
40	Predictors of Epileptic Seizures and Ability to Work in Supratentorial Cavernous Angioma Located Within Eloquent Brain Areas. <i>Neurosurgery</i> , 2019, 85, E702-E713.	1.1	8
41	Negative motor responses to direct electrical stimulation: Behavioral assessment hides different effects on muscles. <i>Cortex</i> , 2021, 137, 194-204.	2.4	8
42	Advancing Imaging to Enhance Surgery. <i>Neurosurgery Clinics of North America</i> , 2021, 32, 31-46.	1.7	7
43	Surgery for Glioblastoma in Elderly Patients. <i>Neurosurgery Clinics of North America</i> , 2021, 32, 137-148.	1.7	5
44	Glioblastoma Surgery Imagingâ€“Reporting and Data System: Standardized Reporting of Tumor Volume, Location, and Resectability Based on Automated Segmentations. <i>Cancers</i> , 2021, 13, 2854.	3.7	5
45	Timing of glioblastoma surgery and patient outcomes: a multicenter cohort study. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab053.	0.7	4
46	Motor impairment evoked by direct electrical stimulation of human parietal cortex during object manipulation. <i>NeuroImage</i> , 2022, 248, 118839.	4.2	3
47	On the cutting edge of glioblastoma surgery: where neurosurgeons agree and disagree on surgical decisions. <i>Journal of Neurosurgery</i> , 2022, 136, 45-55.	1.6	2
48	MNGI-07. THE ANAPLASTIC MENINGIOMA INTERNATIONAL CONSORTIUM (AMICo) RETROSPECTIVE STUDY OF TREATMENT AND OUTCOME OF PATIENTS WITH ANAPLASTIC MENINGIOMAS. <i>Neuro-Oncology</i> , 2018, 20, vi149-vi149.	1.2	1
49	Language Localization in Multilingual Patientsâ€“Evidence From Direct Electrical Stimulation: A Systematic Review and Single Institution Case Series. <i>Neurosurgery</i> , 2019, 66, 310-509.	1.1	1
50	Outcome evaluation of patients with newly diagnosed anaplastic gliomas treated in a single institution. <i>CNS Oncology</i> , 2017, 6, 211-219.	3.0	1
51	The diffusion-weighted imaging and 11-C-methionine positron emission tomography depiction of an endodermal cyst at the cervico-medullary junction. <i>British Journal of Neurosurgery</i> , 2015, 29, 739-741.	0.8	0
52	P08.27â€“The role of supramarginal resection for single large brain metastases: feasibility, morbidity and local control evaluation. <i>Neuro-Oncology</i> , 2016, 18, iv46-iv47.	1.2	0
53	P09.08â€“Clinical validation of integrated diagnosis in low-grade glioma (LGG). <i>Neuro-Oncology</i> , 2016, 18, iv61-iv61.	1.2	0
54	OS5.5â€“Supratotal resection in low grade gliomas (LGGs): feasibility and clinical impact. <i>Neuro-Oncology</i> , 2016, 18, iv12-iv12.	1.2	0

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55	P09.36 A new therapeutic strategy for newly diagnosed glioblastoma patients: hypofractionated stereotactic radiation therapy (HSRT) delivered in 15 fractions respect to standard fractionation in 30 fractions, with concomitant temozolomide chemotherapy - A phase II study. Neuro-Oncology, 2017, 19, iii78-iii78.	1.2	0
56	P01.062 Probability maps of glioblastoma indicate variation in surgical decisions between twelve surgical teams. Neuro-Oncology, 2018, 20, iii243-iii244.	1.2	0
57	P04.86 Correlation between activated infiltrating neutrophils and MGMT methylation in patients with diffuse malignant gliomas (MGs). Neuro-Oncology, 2018, 20, iii300-iii300.	1.2	0
58	Functional approach to brain tumor surgery: awake setting. , 2020, , 257-269.		0
59	Inhibition. , 2021, , 251-272.		0
60	Neurophysiology of language and cognitive mapping. , 2020, , 101-112.		0
61	Intraoperative AIRO mobile computer tomography in frameless stereotactic procedures. British Journal of Neurosurgery, 2022, , 1-5.	0.8	0
62	Mood disorder, Health Related Quality of Life and sexual life disturbances in glioma patients: prevalence and putative factors. , 2022, , .		0
63	Oncological and functional outcome of recurrent lower-grade gliomas (LGG). , 2022, , .		0