

# Federico Pessina

## List of Publications by Citations

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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.

60 papers	1,005 citations	19 h-index	29 g-index
63 ext. papers	1,282 ext. citations	3.3 avg, IF	3.96 L-index

#	Paper	IF	Citations
60	Tailoring neurophysiological strategies with clinical context enhances resection and safety and expands indications in gliomas involving motor pathways. <i>Neuro-Oncology</i> , <b>2014</b> , 16, 1110-28	1	100
59	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> , <b>2017</b> , 135, 129-139	4.8	72
58	Prognostic value of molecular and imaging biomarkers in patients with supratentorial glioma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2017</b> , 44, 1155-1164	8.8	58
57	Hypo-fractionated stereotactic radiotherapy alone using volumetric modulated arc therapy for patients with single, large brain metastases unsuitable for surgical resection. <i>Radiation Oncology</i> , <b>2016</b> , 11, 76	4.2	37
56	Preserving executive functions in nondominant frontal lobe glioma surgery: an intraoperative tool. <i>Journal of Neurosurgery</i> , <b>2018</b> , 131, 474-480	3.2	37
55	Monopolar high-frequency language mapping: can it help in the surgical management of gliomas? A comparative clinical study. <i>Journal of Neurosurgery</i> , <b>2016</b> , 124, 1479-89	3.2	35
54	Investigation on the role of integrated PET/MRI for target volume definition and radiotherapy planning in patients with high grade glioma. <i>Radiotherapy and Oncology</i> , <b>2014</b> , 112, 425-9	5.3	34
53	Early surgical experience with minimally invasive percutaneous approach for patients with metastatic epidural spinal cord compression (MESCC) to poor prognoses. <i>Annals of Surgical Oncology</i> , <b>2012</b> , 19, 294-300	3.1	33
52	Assessment of prognostic factors in patients with metastatic epidural spinal cord compression (MESCC) from solid tumor after surgery plus radiotherapy: a single institution experience. <i>European Spine Journal</i> , <b>2012</b> , 21 Suppl 1, S146-8	2.7	33
51	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> , <b>2018</b> , 130, 17-27	3.2	30
50	Role of Surgical Resection in Patients with Single Large Brain Metastases: Feasibility, Morbidity, and Local Control Evaluation. <i>World Neurosurgery</i> , <b>2016</b> , 94, 6-12	2.1	29
49	3D intra-operative ultrasound and MR image guidance: pursuing an ultrasound-based management of brainshift to enhance neuronavigation. <i>International Journal of Computer Assisted Radiology and Surgery</i> , <b>2017</b> , 12, 1711-1725	3.9	27
48	Functional Characterization of the Left Ventrolateral Premotor Cortex in Humans: A Direct Electrophysiological Approach. <i>Cerebral Cortex</i> , <b>2018</b> , 28, 167-183	5.1	27
47	Checkpoint inhibitors as treatment for malignant gliomas: "A long way to the top". <i>Cancer Treatment Reviews</i> , <b>2018</b> , 69, 121-131	14.4	27
46	Percutaneous vertebral augmentation in metastatic disease: state of the art. <i>The Journal of Supportive Oncology</i> , <b>2011</b> , 9, 4-10		27
45	Preoperative surgical planning of glioma: limitations and reliability of fMRI and DTI tractography. <i>Journal of Neurosurgical Sciences</i> , <b>2019</b> , 63, 127-134	1.3	25
44	Value of Surgical Resection in Patients with Newly Diagnosed Grade III Glioma Treated in a Multimodal Approach: Surgery, Chemotherapy and Radiotherapy. <i>Annals of Surgical Oncology</i> , <b>2016</b> , 23, 3040-6	3.1	25

43	Association of supratotal resection with progression-free survival, malignant transformation, and overall survival in lower-grade gliomas. <i>Neuro-Oncology</i> , <b>2021</b> , 23, 812-826	1	23
42	Hypofractionated stereotactic radiation therapy in skull base meningiomas. <i>Journal of Neuro-Oncology</i> , <b>2015</b> , 124, 283-9	4.8	20
41	Multimodality therapy approaches, local and systemic treatment, compared with chemotherapy alone in recurrent glioblastoma. <i>BMC Cancer</i> , <b>2015</b> , 15, 486	4.8	18
40	Outcome Evaluation of Oligometastatic Patients Treated with Surgical Resection Followed by Hypofractionated Stereotactic Radiosurgery (HSRS) on the Tumor Bed, for Single, Large Brain Metastases. <i>PLoS ONE</i> , <b>2016</b> , 11, e0157869	3.7	18
39	Is supratotal resection achievable in low-grade gliomas? Feasibility, putative factors, safety, and functional outcome. <i>Journal of Neurosurgery</i> , <b>2019</b> , 132, 1692-1705	3.2	18
38	Hypofractionated Stereotactic Radiation Therapy in Recurrent High-Grade Glioma: A New Challenge. <i>Cancer Research and Treatment</i> , <b>2016</b> , 48, 37-44	5.2	17
37	Prediction of Isocitrate Dehydrogenase Genotype in Brain Gliomas with MRI: Single-Shell versus Multishell Diffusion Models. <i>Radiology</i> , <b>2018</b> , 289, 788-796	20.5	16
36	Can advanced new radiation therapy technologies improve outcome of high grade glioma (HGG) patients? analysis of 3D-conformal radiotherapy (3DCRT) versus volumetric-modulated arc therapy (VMAT) in patients treated with surgery, concomitant and adjuvant chemo-radiotherapy. <i>BMC Cancer</i> , <b>2018</b> , 18, 362	4.8	14
35	A Shift in the Orbit: Immediate Endoscopic Reconstruction After Transnasal Orbital Tumors Resection. <i>Journal of Craniofacial Surgery</i> , <b>2017</b> , 28, 2027-2029	1.2	13
34	Role of surgical resection in recurrent glioblastoma: prognostic factors and outcome evaluation in an observational study. <i>Journal of Neuro-Oncology</i> , <b>2017</b> , 131, 377-384	4.8	13
33	Frameless stereotactic biopsy for precision neurosurgery: diagnostic value, safety, and accuracy. <i>Acta Neurochirurgica</i> , <b>2019</b> , 161, 967-974	3	12
32	Brain and Music: An Intraoperative Stimulation Mapping Study of a Professional Opera Singer. <i>World Neurosurgery</i> , <b>2016</b> , 93, 486.e13-8	2.1	12
31	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> , <b>2017</b> , 8, 67696-67708	3.3	12
30	Is surgical resection useful in elderly newly diagnosed glioblastoma patients? Outcome evaluation and prognostic factors assessment. <i>Acta Neurochirurgica</i> , <b>2018</b> , 160, 1779-1787	3	12
29	Broca's Area as a Pre-articulatory Phonetic Encoder: Gating the Motor Program. <i>Frontiers in Human Neuroscience</i> , <b>2018</b> , 12, 64	3.3	11
28	Outcome Evaluation of Patients with Limited Brain Metastasis From Malignant Melanoma, Treated with Surgery, Radiation Therapy, and Targeted Therapy. <i>World Neurosurgery</i> , <b>2017</b> , 105, 184-190	2.1	11
27	Intraoperative Computed Tomography and Finite Element Modelling for Multimodal Image Fusion in Brain Surgery. <i>Operative Neurosurgery</i> , <b>2020</b> , 18, 531-541	1.6	11
26	Hypofractionated radiation therapy (HFRT) versus conventional fractionated radiation therapy (CRT) for newly diagnosed glioblastoma patients. A propensity score matched analysis. <i>Radiotherapy and Oncology</i> , <b>2018</b> , 127, 108-113	5.3	10

25	Surgery Followed by Hypofractionated Radiosurgery on the Tumor Bed in Oligometastatic Patients With Large Brain Metastases. Results of a Phase 2 Study. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2019</b> , 105, 1095-1105	4	9
24	Lower Grade Gliomas: Relationships Between Metabolic and Structural Imaging with Grading and Molecular Factors. <i>World Neurosurgery</i> , <b>2019</b> , 126, e270-e280	2.1	8
23	Cerebrospinal fluid tumor DNA for liquid biopsy in glioma patientsTmanagement: Close to the clinic?. <i>Critical Reviews in Oncology/Hematology</i> , <b>2020</b> , 146, 102879	7	8
22	Vertebral metastases reirradiation with volumetric-modulated arc radiotherapy. <i>Radiotherapy and Oncology</i> , <b>2012</b> , 102, 416-20	5.3	8
21	Prognostic relevance of temporal muscle thickness as a marker of sarcopenia in patients with glioblastoma at diagnosis. <i>European Radiology</i> , <b>2021</b> , 31, 4079-4086	8	7
20	Phase II study of hypofractionated radiation therapy in elderly patients with newly diagnosed glioblastoma with poor prognosis. <i>Tumori</i> , <b>2019</b> , 105, 47-54	1.7	6
19	Outcome appraisal of patients with limited brain metastases (BMs) from non small cell lung cancer (NSCLC) treated with different local therapeutic strategies: a single institute evaluation. <i>British Journal of Radiology</i> , <b>2017</b> , 90, 20170022	3.4	5
18	Baclofen and potential therapeutic use: studies of neuronal survival. <i>European Journal of Pharmacology</i> , <b>2006</b> , 550, 33-8	5.3	5
17	Outcome Evaluation of HER2 Breast Cancer Patients with Limited Brain Metastasis. <i>Anticancer Research</i> , <b>2017</b> , 37, 7057-7062	2.3	5
16	Is IDH status the only factor predicting prognosis in newly diagnosed anaplastic glioma patients? Outcome evaluation and prognostic factor analysis in a single-institution large series. <i>Journal of Neurosurgery</i> , <b>2020</b> , 1-14	3.2	5
15	Intracranial Meningiomas: A Systematic Analysis of Prognostic Factors for Recurrence in a Large Single Institution Surgical Series. <i>World Neurosurgery</i> , <b>2019</b> , 123, e273-e279	2.1	5
14	Long-Term Follow-Up of Patients with Metastatic Epidural Spinal Cord Compression from Breast Cancer Treated with Surgery Followed by Radiotherapy. <i>World Neurosurgery</i> , <b>2018</b> , 110, e281-e286	2.1	5
13	Long-Term Follow-Up of Patients with Metastatic Epidural Spinal Cord Compression from Solid Tumors Submitted for Surgery Followed by Radiation Therapy. <i>World Neurosurgery</i> , <b>2018</b> , 115, e681-e687 <sup>2,1</sup>		5
12	Treatment of patients with glioma during the COVID-19 pandemic: what we learned and what we take home for the future. <i>Neurosurgical Focus</i> , <b>2020</b> , 49, E10	4.2	4
11	Perineural Spread or Neural Tropism? Discussion of a Paper and Description of an Unusual Case of Cervical Intradural Extramedullary Dumbbell Metastasis from Renal Cell Carcinoma. <i>World Neurosurgery</i> , <b>2017</b> , 100, 696-698	2.1	1
10	Role of 11C Methionine Positron Emission Tomography (11CMETPET) for Surgery and Radiation Therapy Planning in Newly Diagnosed Glioblastoma Patients Enrolled into a Phase II Clinical Study. <i>Journal of Clinical Medicine</i> , <b>2021</b> , 10,	5.1	1
9	The 70-year-old newly diagnosed glioblastoma patients are older than the 65-year-old? Outcome evaluation of the two categories in a matched case control study with propensity score balancing. <i>Radiotherapy and Oncology</i> , <b>2021</b> , 156, 49-55	5.3	1
8	Immunotherapeutic early-phase clinical trials and malignant gliomas: A single-center experience and comprehensive immunophenotyping of circulating leukocytes.. <i>Neuro-Oncology Advances</i> , <b>2021</b> , 3, vdab160	0.9	0

7	New neuroanatomy learning paradigms for the next generation of trainees: A novel literature-based 3D methodology. <i>Clinical Neurology and Neurosurgery</i> , <b>2021</b> , 210, 106948	2	0
6	Is the adjustable lumbo-peritoneal shunt a valid option for managing symptomatic idiopathic intracranial hypertension? A case report of a multidisciplinary management. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , <b>2019</b> , 18, 100484	0.5	
5	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> , <b>2015</b> , 29, 739-41	1	
4	Reply to the letter to the editor "Integration of methionine-PET into the radiotherapy planning process for high grade glioma: Prospects against non-central and central failures", by S. Revannasiddaiah et al. <i>Radiotherapy and Oncology</i> , <b>2014</b> , 113, 297	5.3	
3	High-grade gliomas (HGGs) and immunotherapeutic early-phase clinical trials (ieCTs): A single-center experience.. <i>Journal of Clinical Oncology</i> , <b>2019</b> , 37, e13512-e13512	2.2	
2	Gamma Knife radiosurgery for the treatment of a mature teratoma of the pineal region. <i>Childs Nervous System</i> , <b>2021</b> , 37, 2427-2429	1.7	
1	Functional approach to brain tumor surgery: awake setting <b>2020</b> , 257-269		