# Janine Lupo

## List of Publications by Citations

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|---|---|---|---|
| **55** papers | **1,398** citations | **21** h-index | **36** g-index |
| **59** ext. papers | **1,721** ext. citations | **3.4** avg, IF | **4.59** L-index |

| # | Paper | IF | Citations |
|---|-------|----|-----------|
| 55 | Dynamic susceptibility-weighted perfusion imaging of high-grade gliomas: characterization of spatial heterogeneity. *American Journal of Neuroradiology*, **2005**, 26, 1446-54 | 4.4 | 119 |
| 54 | NIMG-42. RECURRENT TUMOR AND TREATMENT-INDUCED EFFECTS HAVE DIFFERENT MR SIGNATURES IN CONTRAST ENHANCING AND NON-ENHANCING LESIONS OF HIGH-GRADE GLIOMAS. *Neuro-Oncology*, **2019**, 21, vi170-vi170 | 1 | 78 |
| 53 | NIMG-45. 3D SINGLE-SCAN FOR MULTI-CONTRAST-WEIGHTED MRI FOR LESION DETECTION IN PATIENTS WITH GLIOMAS. *Neuro-Oncology*, **2019**, 21, vi171-vi171 | 1 | 78 |
| 52 | GENE-47. A 3D ATLAS TO EVALUATE THE SPATIAL PATTERNING OF GENETIC ALTERATIONS AND TUMOR CELL STATES IN GLIOMA. *Neuro-Oncology*, **2019**, 21, vi107-vi108 | 1 | 78 |
| 51 | NIMG-51. THE CENTRALLY RESTRICTED DIFFUSION SIGN FOR DIFFERENTIATION BETWEEN TREATMENT-RELATED LESIONS AND TUMOR PROGRESSION IN GLIOMA PATIENTS: A VALIDATION STUDY. *Neuro-Oncology*, **2019**, 21, vi172-vi172 | 1 | 78 |
| 50 | PATH-08. THE IVY GLIOBLASTOMA PATIENT ATLAS - A NOVEL CLINICAL AND RADIO-GENOMICS RESOURCE FOR EARLY PHASE CLINICAL TRIAL DESIGN AND INTERPRETATION. *Neuro-Oncology*, **2018**, 20, vi159-vi159 | 1 | 78 |
| 49 | NIMG-11. DIFFERENTIATING TREATMENT-INDUCED EFFECTS FROM TRUE RECURRENT HIGH GRADE GLIOMA USING MULTIPARAMETRIC MRI TECHNIQUES. *Neuro-Oncology*, **2018**, 20, vi177-vi178 | 1 | 78 |
| 48 | 7-Tesla susceptibility-weighted imaging to assess the effects of radiotherapy on normal-appearing brain in patients with glioma. *International Journal of Radiation Oncology Biology Physics*, **2012**, 82, e493-500 | 4.1 | 66 |
| 47 | Computer-aided detection of radiation-induced cerebral microbleeds on susceptibility-weighted MR images. *NeuroImage: Clinical*, **2013**, 2, 282-90 | 5.3 | 57 |
| 46 | Susceptibility-weighted MR imaging of radiation therapy-induced cerebral microbleeds in patients with glioma: a comparison between 3T and 7T. *Neuroradiology*, **2014**, 56, 91-6 | 3.2 | 55 |
| 45 | Clinically feasible NODDI characterization of glioma using multiband EPI at 7 T. *NeuroImage: Clinical*, **2015**, 9, 291-9 | 5.3 | 53 |
| 44 | Survival analysis in patients with newly diagnosed glioblastoma using pre- and postradiotherapy MR spectroscopic imaging. *Neuro-Oncology*, **2013**, 15, 607-17 | 1 | 50 |
| 43 | Analysis of hyperpolarized dynamic 13C lactate imaging in a transgenic mouse model of prostate cancer. *Magnetic Resonance Imaging*, **2010**, 28, 153-62 | 3.3 | 44 |
| 42 | GRAPPA-based susceptibility-weighted imaging of normal volunteers and patients with brain tumor at 7 T. *Magnetic Resonance Imaging*, **2009**, 27, 480-8 | 3.3 | 36 |
| 41 | Advances in ultra-high field MRI for the clinical management of patients with brain tumors. *Current Opinion in Neurology*, **2011**, 24, 605-15 | 7.1 | 29 |
| 40 | Multiparametric characterization of grade 2 glioma subtypes using magnetic resonance spectroscopic, perfusion, and diffusion imaging. *Translational Oncology*, **2009**, 2, 271-80 | 4.9 | 29 |
| 39 | Presence of cerebral microbleeds is associated with worse executive function in pediatric brain tumor survivors. *Neuro-Oncology*, **2016**, 18, 1548-1558 | 1 | 28 |

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| 38 | Feasibility of dynamic susceptibility contrast perfusion MR imaging at 3T using a standard quadrature head coil and eight-channel phased-array coil with and without SENSE reconstruction. *Journal of Magnetic Resonance Imaging*, **2006**, 24, 520-9 | 5.6 | 26 |
| 37 | The effects of anti-angiogenic therapy on the formation of radiation-induced microbleeds in normal brain tissue of patients with glioma. *Neuro-Oncology*, **2016**, 18, 87-95 | 1 | 25 |
| 36 | Magnetic resonance analysis of malignant transformation in recurrent glioma. *Neuro-Oncology*, **2016**, 18, 1169-79 | 1 | 24 |
| 35 | Probing the phosphatidylinositol 3-kinase/mammalian target of rapamycin pathway in gliomas: A phase 2 study of everolimus for recurrent adult low-grade gliomas. *Cancer*, **2017**, 123, 4631-4639 | 6.4 | 24 |
| 34 | QSMGAN: Improved Quantitative Susceptibility Mapping using 3D Generative Adversarial Networks with increased receptive field. *NeuroImage*, **2020**, 207, 116389 | 7.9 | 21 |
| 33 | Serial analysis of 3D H-1 MRSI for patients with newly diagnosed GBM treated with combination therapy that includes bevacizumab. *Journal of Neuro-Oncology*, **2016**, 130, 171-179 | 4.8 | 19 |
| 32 | RO-02CEREBRAL MICROBLEEDS ARE ASSOCIATED WITH WORSE EXECUTIVE FUNCTION IN PEDIATRIC BRAIN TUMOR SURVIVORS. *Neuro-Oncology*, **2016**, 18, iii159.2-iii159 | 1 | 19 |
| 31 | Toward Automatic Detection of Radiation-Induced Cerebral Microbleeds Using a 3D Deep Residual Network. *Journal of Digital Imaging*, **2019**, 32, 766-772 | 5.3 | 19 |
| 30 | Characterization of serial hyperpolarized C metabolic imaging in patients with glioma. *NeuroImage: Clinical*, **2020**, 27, 102323 | 5.3 | 18 |
| 29 | Using susceptibility-weighted imaging to determine response to combined anti-angiogenic, cytotoxic, and radiation therapy in patients with glioblastoma multiforme. *Neuro-Oncology*, **2013**, 15, 480-9 | 1 | 17 |
| 28 | Relationship between radiation dose and microbleed formation in patients with malignant glioma. *Radiation Oncology*, **2017**, 12, 126 | 4.2 | 16 |
| 27 | A user-guided tool for semi-automated cerebral microbleed detection and volume segmentation: Evaluating vascular injury and data labelling for machine learning. *NeuroImage: Clinical*, **2018**, 20, 498-505 | 5.3 | 16 |
| 26 | Simultaneous imaging of radiation-induced cerebral microbleeds, arteries and veins, using a multiple gradient echo sequence at 7 Tesla. *Journal of Magnetic Resonance Imaging*, **2015**, 42, 269-79 | 5.6 | 16 |
| 25 | Risk factors of radiotherapy-induced cerebral microbleeds and serial analysis of their size compared with white matter changes: A 7T MRI study in 113 adult patients with brain tumors. *Journal of Magnetic Resonance Imaging*, **2019**, 50, 868-877 | 5.6 | 15 |
| 24 | Machine Learning in Neurooncology Imaging: From Study Request to Diagnosis and Treatment. *American Journal of Roentgenology*, **2019**, 212, 52-56 | 5.4 | 11 |
| 23 | Characterization of Metabolic, Diffusion, and Perfusion Properties in GBM: Contrast-Enhancing versus Non-Enhancing Tumor. *Translational Oncology*, **2017**, 10, 895-903 | 4.9 | 9 |
| 22 | Identifying Voxels at Risk for Progression in Glioblastoma Based on Dosimetry, Physiologic and Metabolic MRI. *Radiation Research*, **2017**, 188, 303-313 | 3.1 | 8 |
| 21 | Investigating tumor perfusion by hyperpolarized C MRI with comparison to conventional gadolinium contrast-enhanced MRI and pathology in orthotopic human GBM xenografts. *Magnetic Resonance in Medicine*, **2017**, 77, 841-847 | 4.4 | 7 |

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| 20 | A comparison of coil combination strategies in 3D multi-channel MRSI reconstruction for patients with brain tumors. *NMR in Biomedicine*, **2018**, 31, e3929 | 4.4 | 7 |
| 19 | Automated algorithm for counting microbleeds in patients with familial cerebral cavernous malformations. *Neuroradiology*, **2017**, 59, 685-690 | 3.2 | 5 |
| 18 | Pilot Study of Hyperpolarized C Metabolic Imaging in Pediatric Patients with Diffuse Intrinsic Pontine Glioma and Other CNS Cancers. *American Journal of Neuroradiology*, **2021**, 42, 178-184 | 4.4 | 4 |
| 17 | Treatment-induced lesions in newly diagnosed glioblastoma patients undergoing chemoradiotherapy and heat-shock protein vaccine therapy. *Journal of Neuro-Oncology*, **2020**, 146, 71-78 | 4.8 | 4 |
| 16 | Simultaneous multi-slice spin- and gradient-echo dynamic susceptibility-contrast perfusion-weighted MRI of gliomas. *NMR in Biomedicine*, **2021**, 34, e4399 | 4.4 | 4 |
| 15 | A Fully Automated Method for Segmenting Arteries and Quantifying Vessel Radii on Magnetic Resonance Angiography Images of Varying Projection Thickness. *Frontiers in Neuroscience*, **2020**, 14, 537 | 5.1 | 3 |
| 14 | Centrally Reduced Diffusion Sign for Differentiation between Treatment-Related Lesions and Glioma Progression: A Validation Study. *American Journal of Neuroradiology*, **2020**, 41, 2049-2054 | 4.4 | 3 |
| 13 | Correlation of Tumor Perfusion Between Carbon-13 Imaging with Hyperpolarized Pyruvate and Dynamic Susceptibility Contrast MRI in Pre-Clinical Model of Glioblastoma. *Molecular Imaging and Biology*, **2019**, 21, 626-632 | 3.8 | 3 |
| 12 | Rate of radiation-induced microbleed formation on 7T MRI relates to cognitive impairment in young patients treated with radiation therapy for a brain tumor. *Radiotherapy and Oncology*, **2021**, 154, 145-153 | 5.3 | 3 |
| 11 | 7-T Magnetic Resonance Imaging in the Management of Brain Tumors. *Magnetic Resonance Imaging Clinics of North America*, **2021**, 29, 83-102 | 1.6 | 3 |
| 10 | Technical Note: Simultaneous segmentation and relaxometry for MRI through multitask learning. *Medical Physics*, **2019**, 46, 4610-4621 | 4.4 | 2 |
| 9 | Improving the noninvasive classification of glioma genetic subtype with deep learning and diffusion-weighted imaging. *Neuro-Oncology*, **2021**, | 1 | 2 |
| 8 | Recurrent tumor and treatment-induced effects have different MR signatures in contrast enhancing and non-enhancing lesions of high-grade gliomas. *Neuro-Oncology*, **2020**, 22, 1516-1526 | 1 | 2 |
| 7 | RTHP-21. CHARACTERIZATION OF RADIATION THERAPY EFFECTS ON CEREBRAL VASCULATURE IN PEDIATRIC BRAIN TUMOR SURVIVORS. *Neuro-Oncology*, **2018**, 20, vi229-vi229 | 1 | 2 |
| 6 | Association of Diffusion and Anatomic Imaging Parameters with Survival for Patients with Newly Diagnosed Glioblastoma Participating in Two Different Clinical Trials. *Translational Oncology*, **2015**, 8, 446-55 | 4.9 | 1 |
| 5 | Relationship between 7T MR-angiography features of vascular injury and cognitive decline in young brain tumor patients treated with radiation therapy. *Journal of Neuro-Oncology*, **2021**, 153, 143-152 | 4.8 | 1 |
| 4 | NIMG-56. A MULTIMODAL 7 TELSA MRI INVESTIGATION OF LONG-TERM EFFECTS OF RADIOTHERAPY ON THE ADOLESCENT BRAIN & COGNITION. *Neuro-Oncology*, **2019**, 21, vi173-vi174 | 1 | 1 |
| 3 | Baseline Characteristics of Patients With Cavernous Angiomas With Symptomatic Hemorrhage in Multisite Trial Readiness Project. *Stroke*, **2021**, 52, 3829-3838 | 6.7 | 1 |

# List of Publications

| 2 | Comparison of quantitative susceptibility mapping methods on evaluating radiation-induced cerebral microbleeds and basal ganglia at 3T and 7T.. *NMR in Biomedicine*, **2022**, e4666 | 4.4 | 0 |
|---|---|---|---|
| 1 | NIMG-43. APPLICATION OF AN ADVANCED DIFFUSION-WEIGHTED MRI TECHNIQUE TO CHARACTERIZE GLIOMA MICROSTRUCTURE AND RELATIONSHIP TO HISTOPATHOLOGY. *Neuro-Oncology*, **2016**, 18, vi134-vi134 | | 1 |