

# Josep Puig

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

2,979  
citations

361413

20  
h-index

189892

50  
g-index

55  
all docs

55  
docs citations

55  
times ranked

4838  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | MRI-Guided Thrombolysis for Stroke with Unknown Time of Onset. <i>New England Journal of Medicine</i> , 2018, 379, 611-622.   | 27.0 | 912       |
| 2  | Molecular phenomics and metagenomics of hepatic steatosis in non-diabetic obese women. <i>Nature Medicine</i> , 2018, 24, 1070-1080.  | 30.7 | 465       |
| 3  | Influence of Stroke Infarct Location on Functional Outcome Measured by the Modified Rankin Scale. <i>Stroke</i> , 2014, 45, 1695-1702.  | 2.0  | 193       |
| 4  | Association of Clinical, Imaging, and Thrombus Characteristics With Recanalization of Visible Intracranial Occlusion in Patients With Acute Ischemic Stroke. <i>JAMA - Journal of the American Medical Association</i> , 2018, 320, 1017. | 7.4  | 180       |
| 5  | Gut Microbiota Interacts With Brain Microstructure and Function. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 4505-4513.  | 3.6  | 130       |
| 6  | Obesity Impairs Short-Term and Working Memory through Gut Microbial Metabolism of Aromatic Amino Acids. <i>Cell Metabolism</i> , 2020, 32, 548-560.e7.  | 16.2 | 88        |
| 7  | Microbiota alterations in proline metabolism impact depression. <i>Cell Metabolism</i> , 2022, 34, 681-701.e10.   | 16.2 | 77        |
| 8  | Resting-State Functional Connectivity Magnetic Resonance Imaging and Outcome After Acute Stroke. <i>Stroke</i> , 2018, 49, 2353-2360.   | 2.0  | 61        |
| 9  | Multiparametric MRI for Differentiation of Radiation Necrosis From Recurrent Tumor in Patients With Treated Glioblastoma. <i>American Journal of Roentgenology</i> , 2018, 210, 18-23.  | 2.2  | 56        |
| 10 | From "Time is Brain" to "Imaging is Brain": A Paradigm Shift in the Management of Acute Ischemic Stroke. <i>Journal of Neuroimaging</i> , 2020, 30, 562-571.  | 2.0  | 56        |
| 11 | Potential Pitfalls of Using Fractional Anisotropy, Axial Diffusivity, and Radial Diffusivity as Biomarkers of Cerebral White Matter Microstructure. <i>Frontiers in Neuroscience</i> , 2021, 15, 799576.                                  | 2.8  | 52        |
| 12 | Caudovirales bacteriophages are associated with improved executive function and memory in flies, mice, and humans. <i>Cell Host and Microbe</i> , 2022, 30, 340-356.e8.   | 11.0 | 50        |
| 13 | Brain Iron Overload, Insulin Resistance, and Cognitive Performance in Obese Subjects: A Preliminary MRI Case-Control Study. <i>Diabetes Care</i> , 2014, 37, 3076-3083.   | 8.6  | 49        |
| 14 | Hypothalamic Damage Is Associated With Inflammatory Markers and Worse Cognitive Performance in Obese Subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, E276-E281.  | 3.6  | 46        |
| 15 | The Gut Metagenome Changes in Parallel to Waist Circumference, Brain Iron Deposition, and Cognitive Function. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 2962-2973.   | 3.6  | 40        |
| 16 | Dynamic Magnetic Resonance Angiography Provides Collateral Circulation and Hemodynamic Information in Acute Ischemic Stroke. <i>Stroke</i> , 2016, 47, 531-534.   | 2.0  | 33        |
| 17 | AI-based prognostic imaging biomarkers for precision neuro-oncology: the ReSPOND consortium. <i>Neuro-Oncology</i> , 2020, 22, 886-888.   | 1.2  | 31        |
| 18 | Obesity-associated deficits in inhibitory control are phenocopied to mice through gut microbiota changes in one-carbon and aromatic amino acids metabolic pathways. <i>Gut</i> , 2021, 70, 2283-2296.                                     | 12.1 | 31        |

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|----|---|------|-----------|
| 19 | Magnetic Resonance Imaging Biomarkers of Brain Connectivity in Predicting Outcome after Mild Traumatic Brain Injury: A Systematic Review. <i>Journal of Neurotrauma</i> , 2020, 37, 1761-1776.                      | 3.4  | 30        |
| 20 | Automated ASPECTS in Acute Ischemic Stroke: A Comparative Analysis with CT Perfusion. <i>American Journal of Neuroradiology</i> , 2019, 40, 2033-2038.  | 2.4  | 29        |
| 21 | Whole-Brain Dynamics in Aging: Disruptions in Functional Connectivity and the Role of the Rich Club. <i>Cerebral Cortex</i> , 2021, 31, 2466-2481.  | 2.9  | 29        |
| 22 | Balloon guide catheter improvements in thrombectomy outcomes persist despite advances in intracranial aspiration technology. <i>Journal of NeuroInterventional Surgery</i> , 2021, 13, 773-778.                     | 3.3  | 26        |
| 23 | Imaging-based Selection for Endovascular Treatment in Stroke. <i>Radiographics</i> , 2019, 39, 1696-1713.   | 3.3  | 25        |
| 24 | Obesity Is Associated With Gene Expression and Imaging Markers of Iron Accumulation in Skeletal Muscle. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 1282-1289.                             | 3.6  | 23        |
| 25 | MR Perfusion to Determine the Status of Collaterals in Patients with Acute Ischemic Stroke: A Look Beyond Time Maps. <i>American Journal of Neuroradiology</i> , 2018, 39, 219-225.                                 | 2.4  | 18        |
| 26 | Quantitative Signal Intensity in Fluid-Attenuated Inversion Recovery and Treatment Effect in the WAKE-UP Trial. <i>Stroke</i> , 2020, 51, 209-215.  | 2.0  | 18        |
| 27 | The Aging Imageomics Study: rationale, design and baseline characteristics of the study population. <i>Mechanisms of Ageing and Development</i> , 2020, 189, 111257.  | 4.6  | 18        |
| 28 | Nonalcoholic fatty liver disease and age are strong indicators for atherosclerosis in morbid obesity. <i>Clinical Endocrinology</i> , 2015, 83, 180-186.  | 2.4  | 16        |
| 29 | Brain BOLD MRI O <sub>2</sub> and CO <sub>2</sub> stress testing: implications for perioperative neurocognitive disorder following surgery. <i>Critical Care</i> , 2020, 24, 76.                                    | 5.8  | 15        |
| 30 | Predicting Motor Outcome in Acute Intracerebral Hemorrhage. <i>American Journal of Neuroradiology</i> , 2019, 40, 769-775.  | 2.4  | 14        |
| 31 | Preserved structural connectivity mediates the clinical effect of thrombolysis in patients with anterior-circulation stroke. <i>Nature Communications</i> , 2021, 12, 2590.   | 12.8 | 14        |
| 32 | Robotic-assisted transrectal MRI-guided biopsy. Technical feasibility and role in the current diagnosis of prostate cancer: an initial single-center experience. <i>Abdominal Radiology</i> , 2020, 45, 4150-4159.  | 2.1  | 13        |
| 33 | High-resolution blood-pool-contrast-enhanced MR angiography in glioblastoma: tumor-associated neovascularization as a biomarker for patient survival. A preliminary study. <i>Neuroradiology</i> , 2016, 58, 17-26. | 2.2  | 12        |
| 34 | Spatial normalization of multiple sclerosis brain MRI data depends on analysis method and software package. <i>Magnetic Resonance Imaging</i> , 2020, 68, 83-94.  | 1.8  | 12        |
| 35 | FDG PET/MRI Coregistration Helps Predict Response to Gamma Knife Radiosurgery in Patients With Brain Metastases. <i>American Journal of Roentgenology</i> , 2019, 212, 425-430.                                     | 2.2  | 11        |
| 36 | Glioblastoma TCGA Mesenchymal and IGS 23 Tumors are Identifiable by IHC and have an Immune-phenotype Indicating a Potential Benefit from Immunotherapy. <i>Clinical Cancer Research</i> , 2020, 26, 6600-6609.      | 7.0  | 10        |

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|----|---|-----|-----------|
| 37 | Albumin-binding MR blood pool contrast agent improves diagnostic performance in human brain tumour: comparison of two contrast agents for glioblastoma. <i>European Radiology</i> , 2013, 23, 1093-1101.  | 4.5 | 9         |
| 38 | Glycated Hemoglobin, but not Insulin Sensitivity, is Associated with Memory in Subjects with Obesity. <i>Obesity</i> , 2019, 27, 932-942.   | 3.0 | 9         |
| 39 | The effect of external stimulation on functional networks in the aging healthy human brain. <i>Cerebral Cortex</i> , 2022, 33, 235-245.   | 2.9 | 8         |
| 40 | Safety and efficacy of intravenous thrombolysis in stroke patients on prior antiplatelet therapy in the WAKE-UP trial. <i>Neurological Research and Practice</i> , 2020, 2, 40.   | 2.0 | 7         |
| 41 | Lipidomics and metabolomics signatures of SARS-CoV-2 mediators/receptors in peripheral leukocytes, jejunum and colon. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 6080-6089.  | 4.1 | 7         |
| 42 | Clot Burden Score and Early Ischemia Predict Intracranial Hemorrhage following Endovascular Therapy. <i>American Journal of Neuroradiology</i> , 2019, 40, 655-660.   | 2.4 | 6         |
| 43 | Bariatric Surgery-Induced Changes in Intima-Media Thickness and Cardiovascular Risk Factors in Class 3 Obesity: A 3-Year Follow-Up Study. <i>Obesity</i> , 2020, 28, 1663-1670.   | 3.0 | 6         |
| 44 | Influence of stroke infarct location on quality of life assessed in a multivariate lesion-symptom mapping study. <i>Scientific Reports</i> , 2021, 11, 13490.   | 3.3 | 6         |
| 45 | RNA sequencing and Immunohistochemistry Reveal ZFN7 as a Stronger Marker of Survival than Molecular Subtypes in G-CIMP-negative Glioblastoma. <i>Clinical Cancer Research</i> , 2021, 27, 645-655.  | 7.0 | 5         |
| 46 | Macrovascular Networks on Contrast-Enhanced Magnetic Resonance Imaging Improves Survival Prediction in Newly Diagnosed Glioblastoma. <i>Cancers</i> , 2019, 11, 84.   | 3.7 | 4         |
| 47 | Clinical Characteristics and Outcome of Patients with Lacunar Infarcts and Concurrent Embolic Ischemic Lesions. <i>Clinical Neuroradiology</i> , 2020, 30, 511-516.   | 1.9 | 3         |
| 48 | Structural changes in subcutaneous and visceral abdominal fatty tissue induced by local application of 448kHz capacitive resistive monopolar radiofrequency: a magnetic resonance imaging case study. <i>Lasers in Medical Science</i> , 2022, 37, 3739-3748. | 2.1 | 3         |
| 49 | 24-hour blood pressure variability and treatment effect of intravenous alteplase in acute ischaemic stroke. <i>European Stroke Journal</i> , 2021, 6, 168-175.  | 5.5 | 2         |
| 50 | Neurocognitive Profile of the Post-COVID Condition in Adults in Catalonia: A Mixed Method Prospective Cohort and Nested Case-Control Study: Study Protocol. <i>Vaccines</i> , 2022, 10, 849.  | 4.4 | 1         |