

# Pedro Ramos-Cabrer

## List of Publications by Citations

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80  
papers

2,475  
citations

30  
h-index

48  
g-index

94  
ext. papers

2,873  
ext. citations

5.7  
avg, IF

4.76  
L-index

#	Paper	IF	Citations
80	A fully noninvasive and robust experimental protocol for longitudinal fMRI studies in the rat. <i>NeuroImage</i> , <b>2006</b> , 29, 1303-10	7.9	172
79	Toll-like receptors 2 and 4 in ischemic stroke: outcome and therapeutic values. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2011</b> , 31, 1424-31	7.3	124
78	Targeting the ischemic penumbra. <i>Stroke</i> , <b>2011</b> , 42, S7-11	6.7	110
77	Neuroprotection by glutamate oxaloacetate transaminase in ischemic stroke: an experimental study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2011</b> , 31, 1378-86	7.3	109
76	Complexation of Sodium Cholate and Sodium Deoxycholate by $\beta$ Cyclodextrin and Derivatives. <i>Langmuir</i> , <b>1999</b> , 15, 5489-5495	4	100
75	Inflammatory and neuroimmunomodulatory changes in acute cerebral ischemia. <i>Cerebrovascular Diseases</i> , <b>2009</b> , 27 Suppl 1, 48-64	3.2	91
74	Early prediction of functional recovery after experimental stroke: functional magnetic resonance imaging, electrophysiology, and behavioral testing in rats. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 1022-9	6.6	86
73	Current status of functional MRI on small animals: application to physiology, pathophysiology, and cognition. <i>NMR in Biomedicine</i> , <b>2007</b> , 20, 522-45	4.4	84
72	Cell tracking using magnetic resonance imaging. <i>Journal of Physiology</i> , <b>2007</b> , 584, 25-30	3.9	72
71	Temporal profile of T2-weighted MRI distinguishes between pannecrosis and selective neuronal death after transient focal cerebral ischemia in the rat. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2006</b> , 26, 38-47	7.3	68
70	Present status of magnetic resonance imaging and spectroscopy in animal stroke models. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2006</b> , 26, 591-604	7.3	63
69	In vivo theranostics at the peri-infarct region in cerebral ischemia. <i>Theranostics</i> , <b>2013</b> , 4, 90-105	12.1	60
68	Stem cell mediation of functional recovery after stroke in the rat. <i>PLoS ONE</i> , <b>2010</b> , 5, e12779	3.7	58
67	MRI detection of secondary damage after stroke: chronic iron accumulation in the thalamus of the rat brain. <i>Stroke</i> , <b>2008</b> , 39, 1541-7	6.7	58
66	High blood glutamate oxaloacetate transaminase levels are associated with good functional outcome in acute ischemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2011</b> , 31, 1387-93	7.3	56
65	Toll-like receptors 7 and 8 expression is associated with poor outcome and greater inflammatory response in acute ischemic stroke. <i>Clinical Immunology</i> , <b>2011</b> , 139, 193-8	9	55
64	MRI of hip prostheses using single-point methods: in vitro studies towards the artifact-free imaging of individuals with metal implants. <i>Magnetic Resonance Imaging</i> , <b>2004</b> , 22, 1097-103	3.3	55

63	Complexation of Bile Salts by Natural Cyclodextrins. <i>Supramolecular Chemistry</i> , <b>2003</b> , 15, 33-43	1.8	54
62	Swarming behavior and in vivo monitoring of enzymatic nanomotors within the bladder. <i>Science Robotics</i> , <b>2021</b> , 6,	18.6	54
61	Liposomes and nanotechnology in drug development: focus on neurological targets. <i>International Journal of Nanomedicine</i> , <b>2013</b> , 8, 951-60	7.3	53
60	Regulatory T cells modulate inflammation and reduce infarct volume in experimental brain ischaemia. <i>Journal of Cellular and Molecular Medicine</i> , <b>2014</b> , 18, 1571-9	5.6	49
59	PEG-copolymer-coated iron oxide nanoparticles that avoid the reticuloendothelial system and act as kidney MRI contrast agents. <i>Nanoscale</i> , <b>2018</b> , 10, 14153-14164	7.7	43
58	Human recombinant glutamate oxaloacetate transaminase 1 (GOT1) supplemented with oxaloacetate induces a protective effect after cerebral ischemia. <i>Cell Death and Disease</i> , <b>2014</b> , 5, e992	9.8	43
57	MRI detection of macrophage activity after experimental stroke in rats: new indicators for late appearance of vascular degradation?. <i>Magnetic Resonance in Medicine</i> , <b>2005</b> , 54, 59-66	4.4	43
56	Iron deposition in periaqueductal gray matter as a potential biomarker for chronic migraine. <i>Neurology</i> , <b>2019</b> , 92, e1076-e1085	6.5	37
55	Oxaloacetate: a novel neuroprotective for acute ischemic stroke. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2012</b> , 44, 262-5	5.6	37
54	Continuous noninvasive monitoring of transcutaneous blood gases for a stable and persistent BOLD contrast in fMRI studies in the rat. <i>NMR in Biomedicine</i> , <b>2005</b> , 18, 440-6	4.4	35
53	Glutamate excitotoxicity is the key molecular mechanism which is influenced by body temperature during the acute phase of brain stroke. <i>PLoS ONE</i> , <b>2012</b> , 7, e44191	3.7	34
52	Improved Stem Cell MR Detectability in Animal Models by Modification of the Inhalation Gas. <i>Molecular Imaging</i> , <b>2005</b> , 4, 153535002005041	3.7	33
51	Influence of temperature on ischemic brain: basic and clinical principles. <i>Neurochemistry International</i> , <b>2012</b> , 60, 495-505	4.4	30
50	Iron-loaded transferrin (Tf) is detrimental whereas iron-free Tf confers protection against brain ischemia by modifying blood Tf saturation and subsequent neuronal damage. <i>Redox Biology</i> , <b>2018</b> , 15, 143-158	11.3	30
49	Serial MRI study of the enhanced therapeutic effects of liposome-encapsulated citicoline in cerebral ischemia. <i>International Journal of Pharmaceutics</i> , <b>2011</b> , 405, 228-33	6.5	29
48	Determination of second-order association constants by global analysis of <sup>1</sup> H and <sup>13</sup> C NMR chemical shifts. Application to the complexation of sodium fusidate and potassium helvolate by beta- and gamma-cyclodextrin. <i>Steroids</i> , <b>2003</b> , 68, 43-53	2.8	29
47	Three-Dimensional Conductive Scaffolds as Neural Prostheses Based on Carbon Nanotubes and Polypyrrole. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 43904-43914	9.5	29
46	MiR-219a-5p Enriched Extracellular Vesicles Induce OPC Differentiation and EAE Improvement More Efficiently Than Liposomes and Polymeric Nanoparticles. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	26

45	Subcortical lesions after transient thread occlusion in the rat: T2-weighted magnetic resonance imaging findings without corresponding sensorimotor deficits. <i>Journal of Magnetic Resonance Imaging</i> , <b>2005</b> , 21, 340-6	5.6	23
44	Reproducible imaging of rat corticothalamic pathway by longitudinal manganese-enhanced MRI (L-MEMRI). <i>NeuroImage</i> , <b>2008</b> , 41, 668-74	7.9	22
43	Neuroprotection afforded by antagonists of endothelin-1 receptors in experimental stroke. <i>Neuropharmacology</i> , <b>2012</b> , 63, 1279-85	5.5	21
42	Monitoring of moisture redistribution in multicomponent food systems by use of magnetic resonance imaging. <i>Journal of Agricultural and Food Chemistry</i> , <b>2006</b> , 54, 672-7	5.7	20
41	Supramolecular Linear Conglomerates Formed by $\beta$ -Cyclodextrin Dimers and Sodium Deoxycholate. <i>Supramolecular Chemistry</i> , <b>2002</b> , 14, 397-404	1.8	20
40	In vivo imaging of $\alpha$ 7 nicotinic receptors as a novel method to monitor neuroinflammation after cerebral ischemia. <i>Glia</i> , <b>2018</b> , 66, 1611-1624	9	15
39	Resolution of the Association Equilibria of 2-(p-Toluidinyl)-naphthalene-6-sulfonate (TNS) with $\beta$ -Cyclodextrin and a Charged Derivative. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 5994-6003	3.4	15
38	Complexation of Methyl Orange with $\beta$ -Cyclodextrin: Detailed Analysis and Application to Quantification of Polymer-bound Cyclodextrin. <i>Supramolecular Chemistry</i> , <b>2004</b> , 16, 549-559	1.8	14
37	Magnetic core-shell nanowires as MRI contrast agents for cell tracking. <i>Journal of Nanobiotechnology</i> , <b>2020</b> , 18, 42	9.4	13
36	Improved stem cell MR detectability in animal models by modification of the inhalation gas. <i>Molecular Imaging</i> , <b>2005</b> , 4, 104-9	3.7	13
35	Study of Protein Expression in Peri-Infarct Tissue after Cerebral Ischemia. <i>Scientific Reports</i> , <b>2015</b> , 5, 12020	10	12
34	Interleukin-10 facilitates the selection of patients for systemic thrombolysis. <i>BMC Neurology</i> , <b>2013</b> , 13, 62	3.1	12
33	Immuno-PET Imaging and Pharmacokinetics of an Anti-CEA scFv-based Trimerbody and Its Monomeric Counterpart in Human Gastric Carcinoma-Bearing Mice. <i>Molecular Pharmaceutics</i> , <b>2019</b> , 16, 1025-1035	5.6	11
32	PLGA protein nanocarriers with tailor-made fluorescence/MRI/PET imaging modalities. <i>Nanoscale</i> , <b>2020</b> , 12, 4988-5002	7.7	11
31	Aging Reduces the Functional Brain Networks Strength-a Resting State fMRI Study of Healthy Mouse Brain. <i>Frontiers in Aging Neuroscience</i> , <b>2019</b> , 11, 277	5.3	10
30	Quick adjustment of imaging tracer payload, for in vivo applications of theranostic nanostructures in the brain. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2014</b> , 10, 851-8	6	9
29	Recommendations guide for experimental animal models in stroke research. <i>Neurologia</i> , <b>2011</b> , 26, 105-10	10.4	9
28	Cerebellar alterations in a model of Down syndrome: The role of the Dyrk1A gene. <i>Neurobiology of Disease</i> , <b>2018</b> , 110, 206-217	7.5	9

27	MRI Study of the Influence of Surface Coating Aging on the In Vivo Biodistribution of Iron Oxide Nanoparticles. <i>Biosensors</i> , <b>2018</b> , 8,	5.9	9
26	MRI stem cell tracking for therapy in experimental cerebral ischemia. <i>Translational Stroke Research</i> , <b>2012</b> , 3, 22-35	7.8	8
25	Functional rewiring across spinal injuries via biomimetic nanofiber scaffolds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 25212-25218	11.5	8
24	A general protocol of ultra-high resolution MR angiography to image the cerebro-vasculature in 6 different rats strains at high field. <i>Journal of Neuroscience Methods</i> , <b>2017</b> , 289, 75-84	3	7
23	Iron Deposits in Periaqueductal Gray Matter Are Associated with Poor Response to OnabotulinumtoxinA in Chronic Migraine. <i>Toxins</i> , <b>2020</b> , 12,	4.9	6
22	multimodal imaging of adenosine A receptors in neuroinflammation after experimental stroke. <i>Theranostics</i> , <b>2021</b> , 11, 410-425	12.1	6
21	Dendritic Growth of a Supramolecular Complex. <i>Angewandte Chemie</i> , <b>2000</b> , 112, 2978-2980	3.6	5
20	Deciphering the Effect of Microbead Size Distribution on the Kinetics of Heterogeneous Biocatalysts through Single-Particle Analysis Based on Fluorescence Microscopy. <i>Catalysts</i> , <b>2019</b> , 9, 896	4	4
19	Three-in-one Complexes Formed by Anionic Guests and Monosubstituted Cationic Alkyldiamino Cyclodextrin Derivatives. <i>Supramolecular Chemistry</i> , <b>2003</b> , 15, 207-211	1.8	4
18	MRI in the Study of Animal Models of Stroke. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1718, 377-392	1.4	3
17	In-flow protein immobilization monitored by magnetic resonance imaging. <i>New Biotechnology</i> , <b>2018</b> , 47, 25-30	6.4	3
16	Los niveles de expresi3n de los receptores toll-like 2 y 4 en neutr3filos se asocian con el pron3stico de los pacientes con ictus isqu3mico. <i>Revista De Neurologia</i> , <b>2011</b> , 52, 12	24	3
15	Conformational Changes in High-Density Lipoprotein Nanoparticles Induced by High Payloads of Paramagnetic Lipids. <i>ACS Omega</i> , <b>2016</b> , 1, 470-475	3.9	3
14	Building Bridges through Science. <i>Neuron</i> , <b>2017</b> , 96, 730-735	13.9	2
13	Monitoring the collective behavior of enzymatic nanomotors in vitro and in vivo by PET-CT		2
12	Gut Microbiota Changes in Experimental Autoimmune Encephalomyelitis and Cuprizone Mice Models. <i>ACS Chemical Neuroscience</i> , <b>2021</b> , 12, 893-905	5.7	2
11	Encapsulation of Enzymes in Porous Capsules via Particle Templating. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2100, 227-241	1.4	2
10	Noninvasive Brain Imaging in Small Animal Stroke Models: MRI, PET, and SPECT. <i>Neuromethods</i> , <b>2016</b> , 147-186	0.4	1

9	Noninvasive Assessment of Moisture Migration in Food Products by MRI331-351		1
8	A longitudinal and totally noninvasive fMRI protocol in rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2005</b> , 25, S361-S361	7.3	1
7	2 deoxy-D-glucose augments the mitochondrial respiratory chain in heart.. <i>Scientific Reports</i> , <b>2022</b> , 12, 6890	4.9	1
6	Aberrant upregulation of the glycolytic enzyme PFKFB3 in CLN7 neuronal ceroid lipofuscinosis.. <i>Nature Communications</i> , <b>2022</b> , 13, 536	17.4	0
5	Recommendations guide for experimental animal models in stroke research. <i>Neurologia (English Edition)</i> , <b>2011</b> , 26, 105-110	0.4	
4	Stem cell visualization in the rat brain by an improved MRI protocol. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2005</b> , 25, S512-S512	7.3	
3	Detection of chronic hemosiderin-loaded macrophages accumulation after stroke in the rat. Indicator of late vascular degradation?. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2005</b> , 25, S362-S362	7.3	
2	Monitoring stem cell migration in the nervous system by in vivo magnetic resonance imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2005</b> , 25, S692-S692	7.3	
1	Can exogenous stem cells improve outcome after experimental stroke? The challenge of combined MRI imaging of stem cell dynamics, cell differentiation and functional outcome. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2005</b> , 25, S712-S712	7.3	