

# Pedro Ramos-Cabrer

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

3,213  
citations

117619

34  
h-index

161844

54  
g-index

94  
all docs

94  
docs citations

94  
times ranked

4790  
citing authors

#	ARTICLE	IF	CITATIONS
1	A fully noninvasive and robust experimental protocol for longitudinal fMRI studies in the rat. <i>NeuroImage</i> , 2006, 29, 1303-1310.	4.2	200
2	Toll-like receptors 2 and 4 in ischemic stroke: Outcome and therapeutic values. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 1424-1431.	4.3	151
3	Swarming behavior and in vivo monitoring of enzymatic nanomotors within the bladder. <i>Science Robotics</i> , 2021, 6, .	17.6	144
4	Targeting the Ischemic Penumbra. <i>Stroke</i> , 2011, 42, S7-11.	2.0	140
5	Neuroprotection by glutamate oxaloacetate transaminase in ischemic stroke: An experimental study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 1378-1386.	4.3	135
6	Complexation of Sodium Cholate and Sodium Deoxycholate by $\beta$ -Cyclodextrin and Derivatives. <i>Langmuir</i> , 1999, 15, 5489-5495.	3.5	108
7	Early Prediction of Functional Recovery after Experimental Stroke: Functional Magnetic Resonance Imaging, Electrophysiology, and Behavioral Testing in Rats. <i>Journal of Neuroscience</i> , 2008, 28, 1022-1029.	3.6	108
8	Inflammatory and Neuroimmunomodulatory Changes in Acute Cerebral Ischemia. <i>Cerebrovascular Diseases</i> , 2009, 27, 48-64.	1.7	108
9	Current status of functional MRI on small animals: application to physiology, pathophysiology, and cognition. <i>NMR in Biomedicine</i> , 2007, 20, 522-545.	2.8	93
10	Cell tracking using magnetic resonance imaging. <i>Journal of Physiology</i> , 2007, 584, 25-30.	2.9	80
11	In Vivo Theranostics at the Peri-Infarct Region in Cerebral Ischemia. <i>Theranostics</i> , 2014, 4, 90-105.	10.0	74
12	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> , 2006, 26, 38-47.	4.3	70
13	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> , 2011, 31, 1387-1393.	4.3	70
14	Liposomes and nanotechnology in drug development: focus on neurological targets. <i>International Journal of Nanomedicine</i> , 2013, 8, 951.	6.7	70
15	Stem Cell Mediation of Functional Recovery after Stroke in the Rat. <i>PLoS ONE</i> , 2010, 5, e12779.	2.5	69
16	Present Status of Magnetic Resonance Imaging and Spectroscopy in Animal Stroke Models. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2006, 26, 591-604.	4.3	68
17	Toll-like receptors 7 and 8 expression is associated with poor outcome and greater inflammatory response in acute ischemic stroke. <i>Clinical Immunology</i> , 2011, 139, 193-198.	3.2	66
18	MRI Detection of Secondary Damage After Stroke. <i>Stroke</i> , 2008, 39, 1541-1547.	2.0	65

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19	Regulatory T cells modulate inflammation and reduce infarct volume in experimental brain ischaemia. <i>Journal of Cellular and Molecular Medicine</i> , 2014, 18, 1571-1579.	3.6	64
20	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> , 2004, 22, 1097-1103.	1.8	60
21	PEG-copolymer-coated iron oxide nanoparticles that avoid the reticuloendothelial system and act as kidney MRI contrast agents. <i>Nanoscale</i> , 2018, 10, 14153-14164.	5.6	59
22	MiR-219a-5p Enriched Extracellular Vesicles Induce OPC Differentiation and EAE Improvement More Efficiently Than Liposomes and Polymeric Nanoparticles. <i>Pharmaceutics</i> , 2020, 12, 186.	4.5	59
23	Complexation of Bile Salts by Natural Cyclodextrins. <i>Supramolecular Chemistry</i> , 2003, 15, 33-43.	1.2	58
24	Iron deposition in periaqueductal gray matter as a potential biomarker for chronic migraine. <i>Neurology</i> , 2019, 92, e1076-e1085.	1.1	58
25	Human recombinant glutamate oxaloacetate transaminase 1 (GOT1) supplemented with oxaloacetate induces a protective effect after cerebral ischemia. <i>Cell Death and Disease</i> , 2014, 5, e992-e992.	6.3	56
26	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> , 2018, 15, 143-158.	9.0	51
27	MRI detection of macrophage activity after experimental stroke in rats: New indicators for late appearance of vascular degradation?. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 59-66.	3.0	49
28	Oxaloacetate: A novel neuroprotective for acute ischemic stroke. <i>International Journal of Biochemistry and Cell Biology</i> , 2012, 44, 262-265.	2.8	48
29	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> , 2005, 18, 440-446.	2.8	45
30	Three-Dimensional Conductive Scaffolds as Neural Prostheses Based on Carbon Nanotubes and Polypyrrole. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 43904-43914.	8.0	45
31	Glutamate Excitotoxicity Is the Key Molecular Mechanism Which Is Influenced by Body Temperature during the Acute Phase of Brain Stroke. <i>PLoS ONE</i> , 2012, 7, e44191.	2.5	44
32	Influence of temperature on ischemic brain: Basic and clinical principles. <i>Neurochemistry International</i> , 2012, 60, 495-505.	3.8	36
33	Improved Stem Cell MR Detectability in Animal Models by Modification of the Inhalation Gas. <i>Molecular Imaging</i> , 2005, 4, 153535002005041.	1.4	35
34	Serial MRI study of the enhanced therapeutic effects of liposome-encapsulated citicoline in cerebral ischemia. <i>International Journal of Pharmaceutics</i> , 2011, 405, 228-233.	5.2	35
35	Determination of second-order association constants by global analysis of <sup>1</sup> H and <sup>13</sup> C NMR chemical shifts.. <i>Steroids</i> , 2003, 68, 43-53.	1.8	34
36	Magnetic core-shell nanowires as MRI contrast agents for cell tracking. <i>Journal of Nanobiotechnology</i> , 2020, 18, 42.	9.1	26

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37	Monitoring of Moisture Redistribution in Multicomponent Food Systems by Use of Magnetic Resonance Imaging. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 672-677.	5.2	25
38	Reproducible imaging of rat corticothalamic pathway by longitudinal manganese-enhanced MRI (L-MEMRI). <i>NeuroImage</i> , 2008, 41, 668-674.	4.2	25
39	Neuroprotection afforded by antagonists of endothelin-1 receptors in experimental stroke. <i>Neuropharmacology</i> , 2012, 63, 1279-1285.	4.1	24
40	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> , 2005, 21, 340-346.	3.4	23
41	Functional rewiring across spinal injuries via biomimetic nanofiber scaffolds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25212-25218.	7.1	23
42	PLGA protein nanocarriers with tailor-made fluorescence/MRI/PET imaging modalities. <i>Nanoscale</i> , 2020, 12, 4988-5002.	5.6	22
43	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> , 2019, 16, 1025-1035.	4.6	21
44	Supramolecular Linear Conglomerates Formed by $\beta$ -Cyclodextrin Dimers and Sodium Deoxycholate. <i>Supramolecular Chemistry</i> , 2002, 14, 397-404.	1.2	20
45	<i>In vivo</i> imaging of $\alpha$ 7 nicotinic receptors as a novel method to monitor neuroinflammation after cerebral ischemia. <i>Glia</i> , 2018, 66, 1611-1624.	4.9	20
46	Aging Reduces the Functional Brain Networks Strength—a Resting State fMRI Study of Healthy Mouse Brain. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 277.	3.4	19
47	Interleukin-10 facilitates the selection of patients for systemic thrombolysis. <i>BMC Neurology</i> , 2013, 13, 62.	1.8	18
48	Complexation of Methyl Orange with $\beta$ -cyclodextrin: Detailed Analysis and Application to Quantification of Polymer-bound Cyclodextrin. <i>Supramolecular Chemistry</i> , 2004, 16, 549-559.	1.2	17
49	Improved stem cell MR detectability in animal models by modification of the inhalation gas. <i>Molecular Imaging</i> , 2005, 4, 104-9.	1.4	16
50	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> , 2001, 105, 5994-6003.	2.6	15
51	Study of Protein Expression in Peri-Infarct Tissue after Cerebral Ischemia. <i>Scientific Reports</i> , 2015, 5, 12030.	3.3	15
52	Cerebellar alterations in a model of Down syndrome: The role of the Dyrk1A gene. <i>Neurobiology of Disease</i> , 2018, 110, 206-217.	4.4	14
53	Aberrant upregulation of the glycolytic enzyme PFKFB3 in CLN7 neuronal ceroid lipofuscinosis. <i>Nature Communications</i> , 2022, 13, 536.	12.8	14
54	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> , 2017, 289, 75-84.	2.5	13

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55	MRI Study of the Influence of Surface Coating Aging on the In Vivo Biodistribution of Iron Oxide Nanoparticles. <i>Biosensors</i> , 2018, 8, 127.	4.7	13
56	<i>In vivo</i> multimodal imaging of adenosine A <sub>1</sub> receptors in neuroinflammation after experimental stroke. <i>Theranostics</i> , 2021, 11, 410-425.	10.0	13
57	Guía de recomendaciones en la aplicación de modelos animales para el estudio del ictus. <i>Neurología</i> , 2011, 26, 105-110.	0.7	12
58	Iron Deposits in Periaqueductal Gray Matter Are Associated with Poor Response to OnabotulinumtoxinA in Chronic Migraine. <i>Toxins</i> , 2020, 12, 479.	3.4	12
59	Quick adjustment of imaging tracer payload, for in vivo applications of theranostic nanostructures in the brain. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 851-858.	3.3	11
60	MRI Stem Cell Tracking for Therapy in Experimental Cerebral Ischemia. <i>Translational Stroke Research</i> , 2012, 3, 22-35.	4.2	10
61	Deciphering the Effect of Microbead Size Distribution on the Kinetics of Heterogeneous Biocatalysts through Single-Particle Analysis Based on Fluorescence Microscopy. <i>Catalysts</i> , 2019, 9, 896.	3.5	8
62	Gut Microbiota Changes in Experimental Autoimmune Encephalomyelitis and Cuprizone Mice Models. <i>ACS Chemical Neuroscience</i> , 2021, 12, 893-905.	3.5	8
63	“Three-in-one” Complexes Formed by Anionic Guests and Monosubstituted Cationic Alkyldiamino β <sup>2</sup> -Cyclodextrin Derivatives. <i>Supramolecular Chemistry</i> , 2003, 15, 207-211.	1.2	6
64	MRI in the Study of Animal Models of Stroke. <i>Methods in Molecular Biology</i> , 2018, 1718, 377-392.	0.9	5
65	In-flow protein immobilization monitored by magnetic resonance imaging. <i>New Biotechnology</i> , 2018, 47, 25-30.	4.4	5
66	2 deoxy-D-glucose augments the mitochondrial respiratory chain in heart. <i>Scientific Reports</i> , 2022, 12, 6890.	3.3	5
67	Conformational Changes in High-Density Lipoprotein Nanoparticles Induced by High Payloads of Paramagnetic Lipids. <i>ACS Omega</i> , 2016, 1, 470-475.	3.5	4
68	Encapsulation of Enzymes in Porous Capsules via Particle Templating. <i>Methods in Molecular Biology</i> , 2020, 2100, 227-241.	0.9	3
69	Recommendations guide for experimental animal models in stroke research. <i>Neurología (English)</i> Tj ETQq1 1 0.784314 rgBT <sub>2</sub> Overlo	0.4	2
70	Noninvasive Brain Imaging in Small Animal Stroke Models: MRI, PET, and SPECT. <i>Neuromethods</i> , 2016, , 147-186.	0.3	2
71	Building Bridges through Science. <i>Neuron</i> , 2017, 96, 730-735.	8.1	2
72	A longitudinal and totally noninvasive fMRI protocol in rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S361-S361.	4.3	2

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73	Noninvasive Assessment of Moisture Migration in Food Products by MRI. , 0, , 331-351.		1
74	Assessing the Potential of Molecular Imaging for Myelin Quantification in Organotypic Cultures. Pharmaceutics, 2021, 13, 975.	4.5	1
75	Complexation of Ditopic Guests by Cyclodextrins and Derivatives. ChemInform, 2003, 34, no.	0.0	0
76	Stem cell visualization in the rat brain by an improved MRI protocol. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S512-S512.	4.3	0
77	Detection of chronic hemosiderin-loaded macrophages accumulation after stroke in the rat. Indicator of late vascular degradation?. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S362-S362.	4.3	0
78	Monitoring stem cell migration in the nervous system by in vivo magnetic resonance imaging. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S692-S692.	4.3	0
79	Can exogenous stem cells improve outcome after experimental stroke? The challenge of combined MRI imaging of stem cell dynamics, cell differentiation and functional outcome. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S712-S712.	4.3	0
80	Single point imaging of bread-based food products. Special Publication - Royal Society of Chemistry, 0, , 17-24.	0.0	0