Pedro Ramos-Cabrer

List of Publications by Year in Descending Order

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	Aberrant upregulation of the glycolytic enzyme PFKFB3 in CLN7 neuronal ceroid lipofuscinosis.. *Nature Communications*, **2022**, 13, 536	17.4	0
79	2 deoxy-D-glucose augments the mitochondrial respiratory chain in heart.. *Scientific Reports*, **2022**, 12, 6890	4.9	1
78	Swarming behavior and in vivo monitoring of enzymatic nanomotors within the bladder. *Science Robotics*, **2021**, 6,	18.6	54
77	multimodal imaging of adenosine A receptors in neuroinflammation after experimental stroke. *Theranostics*, **2021**, 11, 410-425	12.1	6
76	Gut Microbiota Changes in Experimental Autoimmune Encephalomyelitis and Cuprizone Mice Models. *ACS Chemical Neuroscience*, **2021**, 12, 893-905	5.7	2
75	Magnetic core-shell nanowires as MRI contrast agents for cell tracking. *Journal of Nanobiotechnology*, **2020**, 18, 42	9.4	13
74	MiR-219a-5p Enriched Extracellular Vesicles Induce OPC Differentiation and EAE Improvement More Efficiently Than Liposomes and Polymeric Nanoparticles. *Pharmaceutics*, **2020**, 12,	6.4	26
73	PLGA protein nanocarriers with tailor-made fluorescence/MRI/PET imaging modalities. *Nanoscale*, **2020**, 12, 4988-5002	7.7	11
72	Functional rewiring across spinal injuries via biomimetic nanofiber scaffolds. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 25212-25218	11.5	8
71	Iron Deposits in Periaqueductal Gray Matter Are Associated with Poor Response to OnabotulinumtoxinA in Chronic Migraine. *Toxins*, **2020**, 12,	4.9	6
70	Encapsulation of Enzymes in Porous Capsules via Particle Templating. *Methods in Molecular Biology*, **2020**, 2100, 227-241	1.4	2
69	Iron deposition in periaqueductal gray matter as a potential biomarker for chronic migraine. *Neurology*, **2019**, 92, e1076-e1085	6.5	37
68	Immuno-PET Imaging and Pharmacokinetics of an Anti-CEA scFv-based Trimerbody and Its Monomeric Counterpart in Human Gastric Carcinoma-Bearing Mice. *Molecular Pharmaceutics*, **2019**, 16, 1025-1035	5.6	11
67	Deciphering the Effect of Microbead Size Distribution on the Kinetics of Heterogeneous Biocatalysts through Single-Particle Analysis Based on Fluorescence Microscopy. *Catalysts*, **2019**, 9, 896	4	4
66	Aging Reduces the Functional Brain Networks Strength-a Resting State fMRI Study of Healthy Mouse Brain. *Frontiers in Aging Neuroscience*, **2019**, 11, 277	5.3	10
65	MRI in the Study of Animal Models of Stroke. *Methods in Molecular Biology*, **2018**, 1718, 377-392	1.4	3
64	In-flow protein immobilization monitored by magnetic resonance imaging. *New Biotechnology*, **2018**, 47, 25-30	6.4	3

63	In vivo imaging of α7 nicotinic receptors as a novel method to monitor neuroinflammation after cerebral ischemia. *Glia*, **2018**, 66, 1611-1624	9	15
62	PEG-copolymer-coated iron oxide nanoparticles that avoid the reticuloendothelial system and act as kidney MRI contrast agents. *Nanoscale*, **2018**, 10, 14153-14164	7.7	43
61	Cerebellar alterations in a model of Down syndrome: The role of the Dyrk1A gene. *Neurobiology of Disease*, **2018**, 110, 206-217	7.5	9
60	Iron-loaded transferrin (Tf) is detrimental whereas iron-free Tf confers protection against brain ischemia by modifying blood Tf saturation and subsequent neuronal damage. *Redox Biology*, **2018**, 15, 143-158	11.3	30
59	Three-Dimensional Conductive Scaffolds as Neural Prostheses Based on Carbon Nanotubes and Polypyrrole. *ACS Applied Materials & Interfaces*, **2018**, 10, 43904-43914	9.5	29
58	MRI Study of the Influence of Surface Coating Aging on the In Vivo Biodistribution of Iron Oxide Nanoparticles. *Biosensors*, **2018**, 8,	5.9	9
57	Building Bridges through Science. *Neuron*, **2017**, 96, 730-735	13.9	2
56	A general protocol of ultra-high resolution MR angiography to image the cerebro-vasculature in 6 different rats strains at high field. *Journal of Neuroscience Methods*, **2017**, 289, 75-84	3	7
55	Noninvasive Brain Imaging in Small Animal Stroke Models: MRI, PET, and SPECT. *Neuromethods*, **2016**, 147-186	0.4	1
54	Conformational Changes in High-Density Lipoprotein Nanoparticles Induced by High Payloads of Paramagnetic Lipids. *ACS Omega*, **2016**, 1, 470-475	3.9	3
53	Study of Protein Expression in Peri-Infarct Tissue after Cerebral Ischemia. *Scientific Reports*, **2015**, 5, 12030	4.9	12
52	Quick adjustment of imaging tracer payload, for in vivo applications of theranostic nanostructures in the brain. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2014**, 10, 851-8	6	9
51	Human recombinant glutamate oxaloacetate transaminase 1 (GOT1) supplemented with oxaloacetate induces a protective effect after cerebral ischemia. *Cell Death and Disease*, **2014**, 5, e992	9.8	43
50	Regulatory T cells modulate inflammation and reduce infarct volume in experimental brain ischaemia. *Journal of Cellular and Molecular Medicine*, **2014**, 18, 1571-9	5.6	49
49	Interleukin-10 facilitates the selection of patients for systemic thrombolysis. *BMC Neurology*, **2013**, 13, 62	3.1	12
48	In vivo theranostics at the peri-infarct region in cerebral ischemia. *Theranostics*, **2013**, 4, 90-105	12.1	60
47	Liposomes and nanotechnology in drug development: focus on neurological targets. *International Journal of Nanomedicine*, **2013**, 8, 951-60	7.3	53
46	Influence of temperature on ischemic brain: basic and clinical principles. *Neurochemistry International*, **2012**, 60, 495-505	4.4	30

45	Oxaloacetate: a novel neuroprotective for acute ischemic stroke. *International Journal of Biochemistry and Cell Biology*, **2012**, 44, 262-5	5.6	37
44	Glutamate excitoxicity is the key molecular mechanism which is influenced by body temperature during the acute phase of brain stroke. *PLoS ONE*, **2012**, 7, e44191	3.7	34
43	Neuroprotection afforded by antagonists of endothelin-1 receptors in experimental stroke. *Neuropharmacology*, **2012**, 63, 1279-85	5.5	21
42	MRI stem cell tracking for therapy in experimental cerebral ischemia. *Translational Stroke Research*, **2012**, 3, 22-35	7.8	8
41	Recommendations guide for experimental animal models in stroke research. *Neurología (English Edition)*, **2011**, 26, 105-110	0.4	
40	Toll-like receptors 2 and 4 in ischemic stroke: outcome and therapeutic values. *Journal of Cerebral Blood Flow and Metabolism*, **2011**, 31, 1424-31	7.3	124
39	Neuroprotection by glutamate oxaloacetate transaminase in ischemic stroke: an experimental study. *Journal of Cerebral Blood Flow and Metabolism*, **2011**, 31, 1378-86	7.3	109
38	High blood glutamate oxaloacetate transaminase levels are associated with good functional outcome in acute ischemic stroke. *Journal of Cerebral Blood Flow and Metabolism*, **2011**, 31, 1387-93	7.3	56
37	Recommendations guide for experimental animal models in stroke research. *Neurología*, **2011**, 26, 105-110	1.4	9
36	Toll-like receptors 7 and 8 expression is associated with poor outcome and greater inflammatory response in acute ischemic stroke. *Clinical Immunology*, **2011**, 139, 193-8	9	55
35	Serial MRI study of the enhanced therapeutic effects of liposome-encapsulated citicoline in cerebral ischemia. *International Journal of Pharmaceutics*, **2011**, 405, 228-33	6.5	29
34	Targeting the ischemic penumbra. *Stroke*, **2011**, 42, S7-11	6.7	110
33	Los niveles de expresi□ de los receptores toll-like 2 y 4 en neutr□filos se asocian con el pron□stico de los pacientes con ictus isqu□mico. *Revista De Neurologia*, **2011**, 52, 12	24	3
32	Stem cell mediation of functional recovery after stroke in the rat. *PLoS ONE*, **2010**, 5, e12779	3.7	58
31	Inflammatory and neuroimmunomodulatory changes in acute cerebral ischemia. *Cerebrovascular Diseases*, **2009**, 27 Suppl 1, 48-64	3.2	91
30	Reproducible imaging of rat corticothalamic pathway by longitudinal manganese-enhanced MRI (L-MEMRI). *NeuroImage*, **2008**, 41, 668-74	7.9	22
29	MRI detection of secondary damage after stroke: chronic iron accumulation in the thalamus of the rat brain. *Stroke*, **2008**, 39, 1541-7	6.7	58
28	Early prediction of functional recovery after experimental stroke: functional magnetic resonance imaging, electrophysiology, and behavioral testing in rats. *Journal of Neuroscience*, **2008**, 28, 1022-9	6.6	86

27	Current status of functional MRI on small animals: application to physiology, pathophysiology, and cognition. *NMR in Biomedicine*, **2007**, 20, 522-45	4.4	84
26	Cell tracking using magnetic resonance imaging. *Journal of Physiology*, **2007**, 584, 25-30	3.9	72
25	A fully noninvasive and robust experimental protocol for longitudinal fMRI studies in the rat. *NeuroImage*, **2006**, 29, 1303-10	7.9	172
24	Monitoring of moisture redistribution in multicomponent food systems by use of magnetic resonance imaging. *Journal of Agricultural and Food Chemistry*, **2006**, 54, 672-7	5.7	20
23	Temporal profile of T2-weighted MRI distinguishes between pannecrosis and selective neuronal death after transient focal cerebral ischemia in the rat. *Journal of Cerebral Blood Flow and Metabolism*, **2006**, 26, 38-47	7.3	68
22	Present status of magnetic resonance imaging and spectroscopy in animal stroke models. *Journal of Cerebral Blood Flow and Metabolism*, **2006**, 26, 591-604	7.3	63
21	Continuous noninvasive monitoring of transcutaneous blood gases for a stable and persistent BOLD contrast in fMRI studies in the rat. *NMR in Biomedicine*, **2005**, 18, 440-6	4.4	35
20	Subcortical lesions after transient thread occlusion in the rat: T2-weighted magnetic resonance imaging findings without corresponding sensorimotor deficits. *Journal of Magnetic Resonance Imaging*, **2005**, 21, 340-6	5.6	23
19	MRI detection of macrophage activity after experimental stroke in rats: new indicators for late appearance of vascular degradation?. *Magnetic Resonance in Medicine*, **2005**, 54, 59-66	4.4	43
18	Improved Stem Cell MR Detectability in Animal Models by Modification of the Inhalation Gas. *Molecular Imaging*, **2005**, 4, 153535002005041	3.7	33
17	Stem cell visualization in the rat brain by an improved MRI protocol. *Journal of Cerebral Blood Flow and Metabolism*, **2005**, 25, S512-S512	7.3	
16	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	7.3	
15	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	7.3	
14	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	7.3	
13	A longitudinal and totally noninvasive fMRI protocol in rats. *Journal of Cerebral Blood Flow and Metabolism*, **2005**, 25, S361-S361	7.3	1
12	Improved stem cell MR detectability in animal models by modification of the inhalation gas. *Molecular Imaging*, **2005**, 4, 104-9	3.7	13
11	MRI of hip prostheses using single-point methods: in vitro studies towards the artifact-free imaging of individuals with metal implants. *Magnetic Resonance Imaging*, **2004**, 22, 1097-103	3.3	55
10	Complexation of Methyl Orange with □-cyclodextrin: Detailed Analysis and Application to Quantification of Polymer-bound Cyclodextrin. *Supramolecular Chemistry*, **2004**, 16, 549-559	1.8	14

9	Determination of second-order association constants by global analysis of 1H and 13C NMR chemical shifts. Application to the complexation of sodium fusidate and potassium helvolate by beta- and gamma-cyclodextrin. *Steroids*, **2003**, 68, 43-53	2.8	29
8	Complexation of Bile Salts by Natural Cyclodextrins. *Supramolecular Chemistry*, **2003**, 15, 33-43	1.8	54
7	Three-in-one Complexes Formed by Anionic Guests and Monosubstituted Cationic Alkyldiamino Cyclodextrin Derivatives. *Supramolecular Chemistry*, **2003**, 15, 207-211	1.8	4
6	Supramolecular Linear Conglomerates Formed by Cyclodextrin Dimers and Sodium Deoxycholate. *Supramolecular Chemistry*, **2002**, 14, 397-404	1.8	20
5	Resolution of the Association Equilibria of 2-(p-Toluidinyl)-naphthalene-6-sulfonate (TNS) with Cyclodextrin and a Charged Derivative. *Journal of Physical Chemistry B*, **2001**, 105, 5994-6003	3.4	15
4	Dendritic Growth of a Supramolecular Complex. *Angewandte Chemie*, **2000**, 112, 2978-2980	3.6	5
3	Complexation of Sodium Cholate and Sodium Deoxycholate by Cyclodextrin and Derivatives. *Langmuir*, **1999**, 15, 5489-5495	4	100
2	Noninvasive Assessment of Moisture Migration in Food Products by MRI331-351		1
1	Monitoring the collective behavior of enzymatic nanomotors in vitro and in vivo by PET-CT		2