

Pasquina Marzola

List of Publications by Citations

Source: <https://exaly.com/author-pdf/926780/pasquina-marzola-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

115
papers

3,172
citations

30
h-index

52
g-index

118
ext. papers

3,487
ext. citations

5.9
avg, IF

4.49
L-index

#	Paper	IF	Citations
115	A role for leukocyte-endothelial adhesion mechanisms in epilepsy. <i>Nature Medicine</i> , 2008 , 14, 1377-83	50.5	388
114	Efficient in vitro labeling of human neural precursor cells with superparamagnetic iron oxide particles: relevance for in vivo cell tracking. <i>Stem Cells</i> , 2008 , 26, 505-16	5.8	140
113	Magneto-plasmonic Au-Fe alloy nanoparticles designed for multimodal SERS-MRI-CT imaging. <i>Small</i> , 2014 , 10, 2476-86	11	130
112	Magnetic resonance imaging of changes elicited by status epilepticus in the rat brain: diffusion-weighted and T2-weighted images, regional blood volume maps, and direct correlation with tissue and cell damage. <i>NeuroImage</i> , 2003 , 18, 375-89	7.9	111
111	Mesenchymal stem cells share molecular signature with mesenchymal tumor cells and favor early tumor growth in syngeneic mice. <i>Oncogene</i> , 2008 , 27, 2542-51	9.2	98
110	Early antiangiogenic activity of SU11248 evaluated in vivo by dynamic contrast-enhanced magnetic resonance imaging in an experimental model of colon carcinoma. <i>Clinical Cancer Research</i> , 2005 , 11, 5827-32	12.9	93
109	In vitro and in vivo study of solid lipid nanoparticles loaded with superparamagnetic iron oxide. <i>Journal of Drug Targeting</i> , 2003 , 11, 19-24	5.4	90
108	Multispectral Cerenkov luminescence tomography for small animal optical imaging. <i>Optics Express</i> , 2011 , 19, 12605-18	3.3	79
107	In vivo assessment of antiangiogenic activity of SU6668 in an experimental colon carcinoma model. <i>Clinical Cancer Research</i> , 2004 , 10, 739-50	12.9	78
106	Magnetic nanoparticles--templated assembly of protein subunits: a new platform for carbohydrate-based MRI nanoprobos. <i>Journal of the American Chemical Society</i> , 2011 , 133, 4889-95	16.4	72
105	High field MRI in preclinical research. <i>European Journal of Radiology</i> , 2003 , 48, 165-70	4.7	68
104	Magnetic resonance imaging of ultrasmall superparamagnetic iron oxide-labeled exosomes from stem cells: a new method to obtain labeled exosomes. <i>International Journal of Nanomedicine</i> , 2016 , 11, 2481-90	7.3	68
103	PEG-capped, lanthanide doped GdF3 nanoparticles: luminescent and T2 contrast agents for optical and MRI multimodal imaging. <i>Nanoscale</i> , 2012 , 4, 7682-9	7.7	63
102	Mesenchymal stem cells prevent acute rejection and prolong graft function in pancreatic islet transplantation. <i>Diabetes Technology and Therapeutics</i> , 2010 , 12, 435-46	8.1	57
101	Hydration and protein dynamics: frequency domain fluorescence spectroscopy of proteins in reverse micelles. <i>The Journal of Physical Chemistry</i> , 1991 , 95, 9488-9495		57
100	Pilocarpine-induced status epilepticus in rats involves ischemic and excitotoxic mechanisms. <i>PLoS ONE</i> , 2007 , 2, e1105	3.7	56
99	Classic hippocampal sclerosis and hippocampal-onset epilepsy produced by a single "cryptic" episode of focal hippocampal excitation in awake rats. <i>Journal of Comparative Neurology</i> , 2010 , 518, 3381-407	3.4	55

98	Mammary carcinoma provides highly tumourigenic and invasive reactive stromal cells. <i>Carcinogenesis</i> , 2005 , 26, 1868-78	4.6	48
97	In vivo quantitative lipidic map of brown adipose tissue by chemical shift imaging at 4.7 tesla. <i>Journal of Lipid Research</i> , 1999 , 40, 1395-1400	6.3	48
96	Functional Magnetic Resonance Imaging of Rats with Experimental Autoimmune Encephalomyelitis Reveals Brain Cortex Remodeling. <i>Journal of Neuroscience</i> , 2015 , 35, 10088-100	6.6	47
95	Does pilocarpine-induced epilepsy in adult rats require status epilepticus?. <i>PLoS ONE</i> , 2009 , 4, e5759	3.7	44
94	Cathepsin K null mice show reduced adiposity during the rapid accumulation of fat stores. <i>PLoS ONE</i> , 2007 , 2, e683	3.7	44
93	Synthesis and characterization of polyethylenimine-based iron oxide composites as novel contrast agents for MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2009 , 22, 77-87	2.8	43
92	Magnetic nanoparticles from <i>Magnetospirillum gryphiswaldense</i> increase the efficacy of thermotherapy in a model of colon carcinoma. <i>PLoS ONE</i> , 2014 , 9, e108959	3.7	42
91	A method for on-line background subtraction in frequency domain fluorometry. <i>Journal of Fluorescence</i> , 1991 , 1, 153-62	2.4	37
90	Polyunsaturated fatty acids mapping by (1)H MR-chemical shift imaging. <i>Magnetic Resonance in Medicine</i> , 2001 , 46, 879-83	4.4	36
89	In vivo phenotyping of the ob/ob mouse by magnetic resonance imaging and 1H-magnetic resonance spectroscopy. <i>Obesity</i> , 2006 , 14, 405-14	8	35
88	Binding of gadobenate dimeglumine to proteins extravasated into interstitial space enhances conspicuity of reperfused infarcts. <i>Investigative Radiology</i> , 1994 , 29 Suppl 2, S50-3	10.1	32
87	Labeling and Magnetic Resonance Imaging of Exosomes Isolated from Adipose Stem Cells. <i>Current Protocols in Cell Biology</i> , 2017 , 75, 3.44.1-3.44.15	2.3	31
86	In vivo mapping of fractional plasma volume (fpv) and endothelial transfer coefficient (Kps) in solid tumors using a macromolecular contrast agent: correlation with histology and ultrastructure. <i>International Journal of Cancer</i> , 2003 , 104, 462-8	7.5	31
85	Evaluation of lung inflammation induced by intratracheal administration of LPS in mice: comparison between MRI and histology. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2010 , 23, 93-101	2.8	30
84	In vivo visualization of transplanted pancreatic islets by MRI: comparison between in vivo, histological and electron microscopy findings. <i>Contrast Media and Molecular Imaging</i> , 2009 , 4, 135-42	3.2	28
83	Structural and functional MRI following 4-aminopyridine-induced seizures: a comparative imaging and anatomical study. <i>Neurobiology of Disease</i> , 2006 , 21, 80-9	7.5	28
82	ASC-Exosomes Ameliorate the Disease Progression in SOD1(G93A) Murine Model Underlining Their Potential Therapeutic Use in Human ALS. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	27
81	Co-transplantation of endothelial progenitor cells and pancreatic islets to induce long-lasting normoglycemia in streptozotocin-treated diabetic rats. <i>PLoS ONE</i> , 2014 , 9, e94783	3.7	27

80	A SERRS/MRI multimodal contrast agent based on naked Au nanoparticles functionalized with a Gd(III) loaded PEG polymer for tumor imaging and localized hyperthermia. <i>Nanoscale</i> , 2018 , 10, 1272-1278	7.7	27
79	In vivo long-term magnetic resonance imaging activity of ferritin-based magnetic nanoparticles versus a standard contrast agent. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 5686-92	8.3	25
78	Tumor vessel compression hinders perfusion of ultrasonographic contrast agents. <i>Neoplasia</i> , 2005 , 7, 528-36	6.4	25
77	4D Multimodal Nanomedicines Made of Nonequilibrium Au-Fe Alloy Nanoparticles. <i>ACS Nano</i> , 2020 , 14, 12840-12853	16.7	25
76	Characterization of magnetic nanoparticles from <i>Magnetospirillum Gryphiswaldense</i> as potential theranostics tools. <i>Contrast Media and Molecular Imaging</i> , 2016 , 11, 139-45	3.2	24
75	Magnetosomes Extracted from as Theranostic Agents in an Experimental Model of Glioblastoma. <i>Contrast Media and Molecular Imaging</i> , 2018 , 2018, 2198703	3.2	23
74	Multifunctional nanoprobe based on upconverting lanthanide doped CaF ₂ : towards biocompatible materials for biomedical imaging. <i>Biomaterials Science</i> , 2014 , 2, 1158-1171	7.4	23
73	Contrast-enhanced MRI of brown adipose tissue after pharmacological stimulation. <i>Magnetic Resonance in Medicine</i> , 2006 , 55, 715-8	4.4	23
72	Epithelial and mesenchymal tumor compartments exhibit in vivo complementary patterns of vascular perfusion and glucose metabolism. <i>Neoplasia</i> , 2007 , 9, 900-8	6.4	22
71	Investigation of adipose tissues in Zucker rats using in vivo and ex vivo magnetic resonance spectroscopy. <i>Journal of Lipid Research</i> , 2011 , 52, 330-6	6.3	21
70	Comparison between signal-to-noise ratio, liver-to-muscle ratio, and 1/T ₂ for the noninvasive assessment of liver iron content by MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2003 , 17, 589-92	5.6	21
69	Liposomes derivatized with multimeric copies of KCCYSL peptide as targeting agents for HER-2-overexpressing tumor cells. <i>International Journal of Nanomedicine</i> , 2017 , 12, 501-514	7.3	20
68	Evaluation of the hepatocyte-specific contrast agent gadobenate dimeglumine for MR imaging of acute hepatitis in a rat model. <i>Journal of Magnetic Resonance Imaging</i> , 1997 , 7, 147-52	5.6	20
67	DCE-MRI using small-molecular and albumin-binding contrast agents in experimental carcinomas with different stromal content. <i>European Journal of Radiology</i> , 2011 , 78, 52-9	4.7	19
66	(1)H MRI of pneumococcal pneumonia in a murine model. <i>Journal of Magnetic Resonance Imaging</i> , 2005 , 22, 170-4	5.6	18
65	The neuroprotective activity of the glycine receptor antagonist GV150526: an in vivo study by magnetic resonance imaging. <i>European Journal of Pharmacology</i> , 2001 , 419, 147-53	5.3	18
64	Off-resonance experiments and contrast agents to improve magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 1998 , 39, 124-31	4.4	17
63	Effect of tamoxifen in an experimental model of breast tumor studied by dynamic contrast-enhanced magnetic resonance imaging and different contrast agents. <i>Investigative Radiology</i> , 2005 , 40, 421-9	10.1	16

62	Sequential average segmented microscopy for high signal-to-noise ratio motion-artifact-free in vivo heart imaging. <i>Biomedical Optics Express</i> , 2013 , 4, 2095-106	3.5	15
61	Tumor microvasculature observed using different contrast agents: a comparison between Gd-DTPA-Albumin and B-22956/1 in an experimental model of mammary carcinoma. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2008 , 21, 169-76	2.8	15
60	Regional cerebral blood volume mapping after ischemic lesions. <i>NeuroImage</i> , 2000 , 12, 418-24	7.9	14
59	Oil Core-PEG Shell Nanocarriers for In Vivo MRI Imaging. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1801313.1	13.1	14
58	Fast and minimally invasive determination of the unsaturation index of white fat depots by micro-Raman spectroscopy. <i>Lipids</i> , 2011 , 46, 659-67	1.6	13
57	Effect of dietary supplementation with zinc sulphate on the aging process: a study using high field intensity MRI and chemical shift imaging. <i>Biomedicine and Pharmacotherapy</i> , 1998 , 52, 454-8	7.5	13
56	Pathological animal models in the experimental evaluation of tumour microvasculature with magnetic resonance imaging. <i>Radiologia Medica</i> , 2007 , 112, 319-28	6.5	13
55	Cerebral cortex three-dimensional profiling in human fetuses by magnetic resonance imaging. <i>Journal of Anatomy</i> , 2004 , 204, 465-74	2.9	13
54	Easy formulation of liposomal doxorubicin modified with a bombesin peptide analogue for selective targeting of GRP receptors overexpressed by cancer cells. <i>Drug Delivery and Translational Research</i> , 2019 , 9, 215-226	6.2	13
53	Nanoaggregates of iron poly-oxo-clusters obtained by laser ablation in aqueous solution of phosphonates. <i>Journal of Colloid and Interface Science</i> , 2018 , 522, 208-216	9.3	12
52	In-vivo quantitative hydrolipidic map of perirenal adipose tissue by chemical shift imaging at 4.7 Tesla. <i>International Journal of Obesity</i> , 2001 , 25, 457-61	5.5	12
51	Cancer-associated stroma affects FDG uptake in experimental carcinomas. Implications for FDG-PET delineation of radiotherapy target. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009 , 36, 616-23	8.8	11
50	Use of magnetic resonance imaging for diagnosis of a spinal tumor in a cat. <i>Veterinary Radiology and Ultrasound</i> , 1999 , 40, 267-70	1.2	11
49	Preclinical Imaging for Fat Tissue Identification, Quantification, and Functional Characterization. <i>Frontiers in Pharmacology</i> , 2016 , 7, 336	5.6	11
48	Sub-chronic nicotine-induced changes in regional cerebral blood volume and transversal relaxation time patterns in the rat: a magnetic resonance study. <i>Neuroscience Letters</i> , 2005 , 377, 195-9	3.3	10
47	Polymer-coated superparamagnetic iron oxide nanoparticles as T contrast agent for MRI and their uptake in liver. <i>Future Science OA</i> , 2019 , 5, FSO235	2.7	10
46	The hydrolipidic ratio in age-related maturation of adipose tissues. <i>Biomedicine and Pharmacotherapy</i> , 2006 , 60, 139-43	7.5	9
45	Magnetic resonance imaging in animal models of pathologies. <i>Methods in Enzymology</i> , 2004 , 386, 177-200.7	200.7	9

44	In vivo mapping of spontaneous mammary tumors in transgenic mice using MRI and ultrasonography. <i>Journal of Magnetic Resonance Imaging</i> , 2004 , 19, 570-9	5.6	9
43	Bayesian estimation of relaxation times T(1) in MR images of irradiated Fricke-agarose gels. <i>Magnetic Resonance Imaging</i> , 2000 , 18, 721-31	3.3	9
42	Polymer-coated silver-iron nanoparticles as efficient and biodegradable MRI contrast agents. <i>Journal of Colloid and Interface Science</i> , 2021 , 596, 332-341	9.3	9
41	MR imaging and targeting of human breast cancer cells with folate decorated nanoparticles. <i>RSC Advances</i> , 2015 , 5, 39760-39770	3.7	8
40	MRI reveals therapeutical efficacy of stem cells: An experimental study on the SOD1(G93A) animal model. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 459-469	4.4	8
39	Manganese-enhanced magnetic resonance imaging investigation of the interferon- γ model of depression in rats. <i>Magnetic Resonance Imaging</i> , 2014 , 32, 529-34	3.3	8
38	Delayed muscle injuries in arterial insufficiency: contrast-enhanced MR imaging and 31P spectroscopy in rats. <i>Radiology</i> , 2001 , 220, 413-9	20.5	8
37	Chemical shift imaging at 4.7 tesla of thymus in young and old mice. <i>Journal of Magnetic Resonance Imaging</i> , 1999 , 10, 97-101	5.6	8
36	(1) H-MR spectroscopy characterization of the adipose tissue associated with colorectal tumor. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 39, 469-74	5.6	7
35	DCE-MRI data analysis for cancer area classification. <i>Methods of Information in Medicine</i> , 2009 , 48, 248-53	1.5	7
34	Magnetic resonance imaging of the rat Harderian gland. <i>Journal of Anatomy</i> , 2002 , 201, 231-8	2.9	7
33	Iron Oxide Nanoparticles as Theranostic Agents in Cancer Immunotherapy. <i>Nanomaterials</i> , 2021 , 11,	5.4	7
32	Biocompatible Iron-Boron Nanoparticles Designed for Neutron Capture Therapy Guided by Magnetic Resonance Imaging. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2001632	10.1	7
31	Theranostic Role of P-ATP as Radiopharmaceutical for the Induction of Massive Cell Death within Avascular Tumor Core. <i>Theranostics</i> , 2017 , 7, 4399-4409	12.1	6
30	Multifunctional Nanovectors Based on Polyamidoamine Polymers for Theranostic Application. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 5020-5026	1.3	6
29	3D printing of rat salivary glands: The submandibular-sublingual complex. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2014 , 43, 239-44	1.1	6
28	Inhibition of tyrosine kinase receptors by SU6668 promotes abnormal stromal development at the periphery of carcinomas. <i>British Journal of Cancer</i> , 2009 , 100, 1575-80	8.7	6
27	Secretory response induced by essential oils on airway surface fluid: a pharmacological MRI study. <i>Journal of Ethnopharmacology</i> , 2009 , 124, 630-4	5	6

26	Washout of small molecular contrast agent in carcinoma-derived experimental tumors. <i>Microvascular Research</i> , 2009 , 78, 370-8	3.7	6
25	Drug targeting of airway surface liquid: a pharmacological MRI approach. <i>Biomedicine and Pharmacotherapy</i> , 2008 , 62, 410-9	7.5	6
24	Ozone Treatment of Grapes During Withering for Amarone Wine: A Multimodal Imaging and Spectroscopic Analysis. <i>Microscopy and Microanalysis</i> , 2018 , 24, 564-573	0.5	6
23	Quantum dots labelling allows detection of the homing of mesenchymal stem cells administered as immunomodulatory therapy in an experimental model of pancreatic islets transplantation. <i>Journal of Anatomy</i> , 2017 , 230, 381-388	2.9	5
22	Early versus late GD-DTPA MRI enhancement in experimental glioblastomas. <i>Journal of Magnetic Resonance Imaging</i> , 2011 , 33, 550-6	5.6	5
21	Magneto-Plasmonic Au-Fe Alloy Nanoparticles Designed for Multimodal SERS-MRI-CT Imaging. <i>Small</i> , 2014 , 10, 3823-3823	11	4
20	Visual MRI: merging information visualization and non-parametric clustering techniques for MRI dataset analysis. <i>Artificial Intelligence in Medicine</i> , 2008 , 44, 183-99	7.4	4
19	Correlation MRI/ultrastructure in cerebral ischemic lesions: application to the interpretation of cortical layered areas. <i>Magnetic Resonance Imaging</i> , 2002 , 20, 479-86	3.3	4
18	Comparison of results of scanning electron microscopy and magnetic resonance imaging before and after administration of a radiographic contrast agent in the tendon of the deep digital flexor muscle obtained from horse cadavers. <i>American Journal of Veterinary Research</i> , 2000 , 61, 321-5	1.1	4
17	Nanoparticles exhibiting self-regulating temperature as innovative agents for Magnetic Fluid Hyperthermia. <i>Nanotheranostics</i> , 2021 , 5, 333-347	5.6	4
16	Pancreatic cancer growth using magnetic resonance and bioluminescence imaging. <i>Magnetic Resonance Imaging</i> , 2015 , 33, 592-9	3.3	3
15	Proton magnetic resonance spectroscopy: ex vivo study to investigate its prognostic role in colorectal cancer. <i>Biomedicine and Pharmacotherapy</i> , 2013 , 67, 593-7	7.5	3
14	EGFR-Targeted Magnetic Nanovectors Recognize, , Head and Neck Squamous Cells Carcinoma-Derived Tumors. <i>ACS Medicinal Chemistry Letters</i> , 2017 , 8, 1230-1235	4.3	3
13	Potential role of combined FDG PET/CT & contrast enhancement MRI in a rectal carcinoma model with nodal metastases characterized by a poor FDG-avidity. <i>European Journal of Radiology</i> , 2012 , 81, 658-62	4.7	3
12	Dynamic MRI reveals that the magnitude of the ischemia-related enhancement in skeletal muscle is age-dependent. <i>Magnetic Resonance in Medicine</i> , 2003 , 49, 386-90	4.4	3
11	Morphogenetic events in the perinodal connective tissue in a metastatic cancer model. <i>Biomedicine and Pharmacotherapy</i> , 2013 , 67, 1-6	7.5	2
10	A new model of rectal cancer with regional lymph node metastasis allowing in vivo evaluation by imaging biomarkers. <i>Biomedicine and Pharmacotherapy</i> , 2011 , 65, 401-6	7.5	2
9	Innovation in Contrast Agents for Magnetic Resonance Imaging. <i>Current Medical Imaging</i> , 2006 , 2, 291-298	2	2

8	Dynamic contrast-enhanced magnetic resonance imaging of the sarcopenic muscle. <i>BMC Medical Imaging</i> , 2002 , 2, 2	2.9	2
7	Regional cerebral blood volume (rCBV) and trasversal relaxation time (T2) mapping of the rat limbic system during pre-puberal and adult age. <i>Neuroscience Letters</i> , 2004 , 364, 141-4	3.3	1
6	Learning Approach to Analyze Tumour Heterogeneity in DCE-MRI Data During Anti-cancer Treatment. <i>Lecture Notes in Computer Science</i> , 2009 , 385-389	0.9	1
5	MRI characterization of rat brain aging at structural and functional level: Clues for translational applications. <i>Experimental Gerontology</i> , 2021 , 152, 111432	4.5	1
4	Biocompatible, photo-responsive layer-by-layer polymer nanocapsules with an oil core: and study.. <i>Journal of the Royal Society Interface</i> , 2022 , 19, 20210800	4.1	0
3	Heterogeneous Enhancement Pattern in DCE-MRI Reveals the Morphology of Normal Lymph Nodes: An Experimental Study. <i>Contrast Media and Molecular Imaging</i> , 2019 , 2019, 4096706	3.2	
2	A PC-based workstation for processing and analysis of MRI data. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 1998 , 7, 16-20	2.8	
1	Towards Information Visualization and Clustering Techniques for MRI Data Sets. <i>Lecture Notes in Computer Science</i> , 2005 , 315-319	0.9	