

Pasquina Marzola

List of Publications by Year in Descending Order

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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	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
114	Iron Oxide Nanoparticles as Theranostic Agents in Cancer Immunotherapy. <i>Nanomaterials</i> , 2021 , 11,	5.4	7
113	Nanoparticles exhibiting self-regulating temperature as innovative agents for Magnetic Fluid Hyperthermia. <i>Nanotheranostics</i> , 2021 , 5, 333-347	5.6	4
112	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
111	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
110	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
109	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
108	4D Multimodal Nanomedicines Made of Nonequilibrium Au-Fe Alloy Nanoparticles. <i>ACS Nano</i> , 2020 , 14, 12840-12853	16.7	25
107	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	
106	Multifunctional Nanovectors Based on Polyamidoamine Polymers for Theranostic Application. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 5020-5026	1.3	6
105	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
104	Oil Core-PEG Shell Nanocarriers for In Vivo MRI Imaging. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1801313	13.1	14
103	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
102	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
101	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
100	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
99	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

98	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
97	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
96	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
95	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
94	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
93	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
92	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
91	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
90	Preclinical Imaging for Fat Tissue Identification, Quantification, and Functional Characterization. <i>Frontiers in Pharmacology</i> , 2016 , 7, 336	5.6	11
89	Pancreatic cancer growth using magnetic resonance and bioluminescence imaging. <i>Magnetic Resonance Imaging</i> , 2015 , 33, 592-9	3.3	3
88	MR imaging and targeting of human breast cancer cells with folate decorated nanoparticles. <i>RSC Advances</i> , 2015 , 5, 39760-39770	3.7	8
87	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
86	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
85	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
84	Magneto-plasmonic Au-Fe alloy nanoparticles designed for multimodal SERS-MRI-CT imaging. <i>Small</i> , 2014 , 10, 2476-86	11	130
83	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
82	(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
81	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

80	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
79	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
78	Magneto-Plasmonic Au-Fe Alloy Nanoparticles Designed for Multimodal SERS-MRI-CT Imaging. <i>Small</i> , 2014 , 10, 3823-3823	11	4
77	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
76	Morphogenetic events in the perinodal connective tissue in a metastatic cancer model. <i>Biomedicine and Pharmacotherapy</i> , 2013 , 67, 1-6	7.5	2
75	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
74	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
73	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
72	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
71	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
70	Multispectral Cerenkov luminescence tomography for small animal optical imaging. <i>Optics Express</i> , 2011 , 19, 12605-18	3.3	79
69	Magnetic nanoparticles--templated assembly of protein subunits: a new platform for carbohydrate-based MRI nanoprobes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 4889-95	16.4	72
68	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
67	Early versus late GD-DTPA MRI enhancement in experimental glioblastomas. <i>Journal of Magnetic Resonance Imaging</i> , 2011 , 33, 550-6	5.6	5
66	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
65	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
64	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
63	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

62	DCE-MRI data analysis for cancer area classification. <i>Methods of Information in Medicine</i> , 2009 , 48, 248-53.	3.5	7
61	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
60	Does pilocarpine-induced epilepsy in adult rats require status epilepticus?. <i>PLoS ONE</i> , 2009 , 4, e5759	3.7	44
59	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
58	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
57	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
56	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
55	Washout of small molecular contrast agent in carcinoma-derived experimental tumors. <i>Microvascular Research</i> , 2009 , 78, 370-8	3.7	6
54	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
53	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
52	A role for leukocyte-endothelial adhesion mechanisms in epilepsy. <i>Nature Medicine</i> , 2008 , 14, 1377-83	50.5	388
51	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
50	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
49	Drug targeting of airway surface liquid: a pharmacological MRI approach. <i>Biomedicine and Pharmacotherapy</i> , 2008 , 62, 410-9	7.5	6
48	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
47	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
46	Pilocarpine-induced status epilepticus in rats involves ischemic and excitotoxic mechanisms. <i>PLoS ONE</i> , 2007 , 2, e1105	3.7	56
45	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

44	Cathepsin K null mice show reduced adiposity during the rapid accumulation of fat stores. <i>PLoS ONE</i> , 2007 , 2, e683	3.7	44
43	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
42	Contrast-enhanced MRI of brown adipose tissue after pharmacological stimulation. <i>Magnetic Resonance in Medicine</i> , 2006 , 55, 715-8	4.4	23
41	Innovation in Contrast Agents for Magnetic Resonance Imaging. <i>Current Medical Imaging</i> , 2006 , 2, 291-298	2	2
40	The hydrolipidic ratio in age-related maturation of adipose tissues. <i>Biomedicine and Pharmacotherapy</i> , 2006 , 60, 139-43	7.5	9
39	In vivo phenotyping of the ob/ob mouse by magnetic resonance imaging and ¹ H-magnetic resonance spectroscopy. <i>Obesity</i> , 2006 , 14, 405-14	8	35
38	Tumor vessel compression hinders perfusion of ultrasonographic contrast agents. <i>Neoplasia</i> , 2005 , 7, 528-36	6.4	25
37	Mammary carcinoma provides highly tumorigenic and invasive reactive stromal cells. <i>Carcinogenesis</i> , 2005 , 26, 1868-78	4.6	48
36	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
35	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
34	(¹ H) MRI of pneumococcal pneumonia in a murine model. <i>Journal of Magnetic Resonance Imaging</i> , 2005 , 22, 170-4	5.6	18
33	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
32	Towards Information Visualization and Clustering Techniques for MRI Data Sets. <i>Lecture Notes in Computer Science</i> , 2005 , 315-319	0.9	
31	Magnetic resonance imaging in animal models of pathologies. <i>Methods in Enzymology</i> , 2004 , 386, 177-200	7	9
30	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
29	Cerebral cortex three-dimensional profiling in human fetuses by magnetic resonance imaging. <i>Journal of Anatomy</i> , 2004 , 204, 465-74	2.9	13
28	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
27	Regional cerebral blood volume (rCBV) and transversal relaxation time (T ₂) mapping of the rat limbic system during pre-puberal and adult age. <i>Neuroscience Letters</i> , 2004 , 364, 141-4	3.3	1

26	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
25	Comparison between signal-to-noise ratio, liver-to-muscle ratio, and 1/T2 for the noninvasive assessment of liver iron content by MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2003 , 17, 589-92	5.6	21
24	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
23	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
22	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
21	High field MRI in preclinical research. <i>European Journal of Radiology</i> , 2003 , 48, 165-70	4.7	68
20	Dynamic contrast-enhanced magnetic resonance imaging of the sarcopenic muscle. <i>BMC Medical Imaging</i> , 2002 , 2, 2	2.9	2
19	Magnetic resonance imaging of the rat Harderian gland. <i>Journal of Anatomy</i> , 2002 , 201, 231-8	2.9	7
18	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
17	Polyunsaturated fatty acids mapping by (1)H MR-chemical shift imaging. <i>Magnetic Resonance in Medicine</i> , 2001 , 46, 879-83	4.4	36
16	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
15	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
14	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
13	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
12	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
11	Regional cerebral blood volume mapping after ischemic lesions. <i>NeuroImage</i> , 2000 , 12, 418-24	7.9	14
10	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
9	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

8	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
7	Off-resonance experiments and contrast agents to improve magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 1998 , 39, 124-31	4.4	17
6	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	
5	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
4	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
3	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
2	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
1	A method for on-line background subtraction in frequency domain fluorometry. <i>Journal of Fluorescence</i> , 1991 , 1, 153-62	2.4	37