

Florence Franconi

List of Publications by Year in descending order

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65
papers

2,018
citations

279487

23
h-index

243296

44
g-index

67
all docs

67
docs citations

67
times ranked

3193
citing authors

#	ARTICLE	IF	CITATIONS
1	Recording of EEG during fMRI experiments: Patient safety. <i>Magnetic Resonance in Medicine</i> , 1997, 38, 943-952.	1.9	284
2	Frequency offset corrected inversion (FOCI) pulses for use in localized spectroscopy. <i>Magnetic Resonance in Medicine</i> , 1996, 36, 562-566.	1.9	189
3	Reduced anisotropy of water diffusion in structural cerebral abnormalities demonstrated with diffusion tensor imaging. <i>Magnetic Resonance Imaging</i> , 1999, 17, 1269-1274.	1.0	141
4	Radiofrequency map of an NMR coil by imaging. <i>Magnetic Resonance Imaging</i> , 1993, 11, 437-441.	1.0	137
5	Mesenchymal and neural stem cells labeled with HEDP-coated SPIO nanoparticles: In vitro characterization and migration potential in rat brain. <i>Brain Research</i> , 2009, 1255, 18-31.	1.1	106
6	Lactate, N-acetylaspartate, choline and creatine concentrations, and spin-spin relaxation in thalamic and occipito-parietal regions of developing human brain. <i>Magnetic Resonance in Medicine</i> , 1996, 36, 878-886.	1.9	93
7	Superparamagnetic Liposomes for MRI Monitoring and External Magnetic Field-Induced Selective Targeting of Malignant Brain Tumors. <i>Advanced Functional Materials</i> , 2015, 25, 1258-1269.	7.8	78
8	Development of multifunctional lipid nanocapsules for the co-delivery of paclitaxel and CpG-ODN in the treatment of glioblastoma. <i>International Journal of Pharmaceutics</i> , 2015, 495, 972-980.	2.6	73
9	An in-vivo magnetic resonance imaging study of the olfactory bulbectomized rat model of depression. <i>Brain Research</i> , 2000, 879, 193-199.	1.1	64
10	Perfusional Deficit and the Dynamics of Cerebral Edemas in Experimental Traumatic Brain Injury Using Perfusion and Diffusion-Weighted Magnetic Resonance Imaging. <i>Journal of Neurotrauma</i> , 2007, 24, 1321-1330.	1.7	50
11	Wallerian Degeneration in the Optic Radiation After Temporal Lobectomy Demonstrated In Vivo with Diffusion Tensor Imaging. <i>Epilepsia</i> , 1999, 40, 1155-1158.	2.6	49
12	Evaluating SPIO-labelled cell MR efficiency by three-dimensional quantitative T2* MRI. <i>NMR in Biomedicine</i> , 2007, 20, 21-27.	1.6	36
13	Multiscale imaging of plants: current approaches and challenges. <i>Plant Methods</i> , 2015, 11, 6.	1.9	36
14	Evaluation of lauroyl-gemcitabine-loaded hydrogel efficacy in glioblastoma rat models. <i>Nanomedicine</i> , 2018, 13, 1999-2013.	1.7	34
15	Modeling nigrostriatal degeneration in organotypic cultures, a new ex vivo model of Parkinson's disease. <i>Neuroscience</i> , 2014, 256, 10-22.	1.1	33
16	Anisotropy of Water Diffusion in Corona Radiata and Cerebral Peduncle in Patients with Hemiparesis. <i>NeuroImage</i> , 1999, 10, 225-230.	2.1	32
17	High Field Magnetic Resonance Imaging Evaluation of Superparamagnetic Iron Oxide Nanoparticles in a Permanent Rat Myocardial Infarction. <i>Investigative Radiology</i> , 2003, 38, 141-146.	3.5	31
18	Controlled Anchoring of Iron Oxide Nanoparticles on Polymeric Nanofibers: Easy Access to Core@Shell Organic-Inorganic Nanocomposites for Magneto-Scaffolds. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 9519-9529.	4.0	29

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19	In utero time-course assessment of mouse embryo development using high resolution magnetic resonance imaging. <i>Anatomy and Embryology</i> , 2002, 206, 131-137.	1.5	28
20	New magnetic-resonance-imaging-visible poly(ϵ -caprolactone)-based polyester for biomedical applications. <i>Acta Biomaterialia</i> , 2012, 8, 1339-1347.	4.1	26
21	Quantitative MR renography using a calibrated internal signal (ERETIC). <i>Magnetic Resonance Imaging</i> , 2002, 20, 587-592.	1.0	25
22	Dynamics of cerebral edema and the apparent diffusion coefficient of water changes in patients with severe traumatic brain injury. A prospective MRI study. <i>European Radiology</i> , 2006, 16, 1501-1508.	2.3	25
23	A new glioblastoma cell trap for implantation after surgical resection. <i>Acta Biomaterialia</i> , 2019, 84, 268-279.	4.1	25
24	MRI-Visible Poly(ϵ -caprolactone) with Controlled Contrast Agent Ratios for Enhanced Visualization in Temporary Imaging Applications. <i>Biomacromolecules</i> , 2013, 14, 3626-3634.	2.6	23
25	Perfluorocarbon-loaded lipid nanocapsules as oxygen sensors for tumor tissue pO ₂ assessment. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 84, 479-486.	2.0	21
26	Targeting and treatment of glioblastomas with human mesenchymal stem cells carrying ferrociphenol lipid nanocapsules. <i>International Journal of Nanomedicine</i> , 2015, 10, 1259.	3.3	21
27	Characterization and detection of experimental rat gliomas using magnetic resonance imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2004, 17, 133-139.	1.1	20
28	Imaging E-selectin expression following traumatic brain injury in the rat using a targeted USPIO contrast agent. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2009, 22, 167-174.	1.1	20
29	Magnetite- and Iodine-Containing Nanoemulsion as a Dual Modal Contrast Agent for X-ray/Magnetic Resonance Imaging. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 403-416.	4.0	19
30	Assessment of myocardial viability in rats: Evaluation of a new method using superparamagnetic iron oxide nanoparticles and Gd-DOTA at high magnetic field. <i>Magnetic Resonance in Medicine</i> , 2004, 52, 932-936.	1.9	17
31	S100A4 Is a Biomarker of Tumorigenesis, EMT, Invasion, and Colonization of Host Organs in Experimental Malignant Mesothelioma. <i>Cancers</i> , 2020, 12, 939.	1.7	17
32	Prenatal evaluation of kidney function in mice using dynamic contrast-enhanced magnetic resonance imaging. <i>Anatomy and Embryology</i> , 2005, 209, 263-267.	1.5	16
33	T1 mapping from spin echo and stimulated echoes. <i>Medical Physics</i> , 1995, 22, 1763-1769.	1.6	14
34	Cerebral MRI on fetuses submitted to repeated cocaine administration during the gestation: an ovine model. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 1999, 85, 185-190.	0.5	14
35	Permanent Polymer Coating for in vivo MRI Visualization of Tissue Reinforcement Prostheses. <i>Macromolecular Bioscience</i> , 2012, 12, 1364-1374.	2.1	13
36	Experimental Models of Disseminated Scedosporiosis with Cerebral Involvement. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013, 345, 198-205.	1.3	12

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37	Acquisition of spin echo and stimulated echo by a single sequence: Application to MRI of diffusion. <i>Magnetic Resonance Imaging</i> , 1994, 12, 605-611.	1.0	11
38	MRI-visible nanoparticles from hydrophobic gadolinium poly(μ -caprolactone) conjugates. <i>Polymer</i> , 2015, 56, 135-140.	1.8	11
39	Title is missing!. <i>Investigative Radiology</i> , 2003, 38, 141-146.	3.5	10
40	Early postsurgical visualization of composite mesh used in ventral hernia repair by amide proton transfer <scp>MRI</scp>. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 313-317.	1.9	10
41	NMR diffusometry: A new perspective for nanomedicine exploration. <i>Journal of Controlled Release</i> , 2021, 337, 155-167.	4.8	10
42	Idazoxan does not prevent but worsens focal hypoxic-ischemic brain damage in neonatal Wistar rats. , 1999, 58, 690-696.		9
43	Susceptibility gradient quantization by MRI signal response mapping (SIRMA) to dephaser. <i>Medical Physics</i> , 2010, 37, 877-884.	1.6	9
44	Evaluation of 3D/2D Imaging and Image Processing Techniques for the Monitoring of Seed Imbibition. <i>Journal of Imaging</i> , 2018, 4, 83.	1.7	9
45	Lipid nanocapsules as in vivo oxygen sensors using magnetic resonance imaging. <i>Materials Science and Engineering C</i> , 2019, 101, 396-403.	3.8	9
46	Diffusion imaging with a multi-echo MISSTEC sequence. <i>Journal of Magnetic Resonance Imaging</i> , 1997, 7, 399-404.	1.9	8
47	Single-scan quantitative T2* methods with susceptibility artifact reduction. <i>NMR in Biomedicine</i> , 2006, 19, 527-534.	1.6	8
48	Tissue oxygenation mapping by combined chemical shift and T1 magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1981-1991.	1.9	8
49	NMR diffusometry data sampling optimization for mixture analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 148, 156-162.	1.4	7
50	Importance of Combining Advanced Particle Size Analysis Techniques To Characterize Cell-Penetrating Peptide- α -Ferrocifen Self-Assemblies. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6613-6620.	2.1	7
51	Serial magnetic resonance imaging based assessment of the early effects of an ACE inhibitor on postinfarction left ventricular remodeling in rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2005, 83, 1109-1115.	0.7	6
52	In vitro expansion of U87-MG human glioblastoma cells under hypoxic conditions affects glucose metabolism and subsequent in vivo growth. <i>Tumor Biology</i> , 2015, 36, 7699-7710.	0.8	5
53	Imaging visceral adhesion to polymeric mesh using pneumoperitoneal-MRI in an experimental rat model. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2015, 29, 1567-1573.	1.3	4
54	Long-term <i>in vivo</i> performances of poly(lactide)/iron oxide nanoparticles core-shell fibrous nanocomposites as MRI-visible magneto-scaffolds. <i>Biomaterials Science</i> , 2021, 9, 6203-6213.	2.6	4

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55	Chemical Shift Imaging from Simultaneous Acquisition of a Primary and a Stimulated Echo. <i>Magnetic Resonance in Medicine</i> , 1995, 33, 683-688.	1.9	3
56	Three-point Dixon method with a MISSTEC sequence. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 1997, 5, 285-288.	1.1	3
57	Improving the detection of low concentration metabolites in magnetic resonance spectroscopy by digital filtering. <i>Medical and Biological Engineering and Computing</i> , 1999, 37, 244-246.	1.6	3
58	Conception d'un treillis anti-infectieux et visible en IRM pour la prise en charge chirurgicale des prolapsus gnitaux et des hernies abdominales. <i>Irbm</i> , 2012, 33, 78-85.	3.7	3
59	TUNING THE NOISE IN MAGNETIC RESONANCE IMAGING TO MAXIMIZE NONLINEAR INFORMATION TRANSMISSION. <i>Fluctuation and Noise Letters</i> , 2013, 12, 1350005.	1.0	3
60	Perfluorocarbon-Loaded Lipid Nanocapsules to Assess the Dependence of U87-Human Glioblastoma Tumor pO ₂ on In Vitro Expansion Conditions. <i>PLoS ONE</i> , 2016, 11, e0165479.	1.1	3
61	Volumetric assessment of myocardial viability in rats using 3D double contrast enhanced T1 and T2-weighted MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2005, 18, 302-308.	1.1	2
62	UV-triggered photoinsertion of contrast agent onto polymer surfaces for in vivo MRI-visible medical devices. <i>Multifunctional Materials</i> , 2019, 2, 024001.	2.4	1
63	MRI Study of Transient Cerebral Ischemia in the Gerbil. <i>Investigative Radiology</i> , 2000, 35, 180-185.	3.5	1
64	3D Multimodal Simulation of Image Acquisition by X-Ray and MRI for Validation of Seedling Measurements with Segmentation Algorithms. <i>Lecture Notes in Computer Science</i> , 2015, , 131-139.	1.0	0
65	Can magnetisation transfer magnetic resonance imaging help for the follow-up of synthetic hernia composite meshes fate? A pilot study. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2022, , 1.	1.1	0